GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: April 15, 2005, 19:39:05 ; Search time 635.571 Seconds
(without alignments)
1372.299 Million cell updates/sec

Title: US-10-025-137B-1
Perfect score: 18
Sequence: 1 cgcaagctgaaaaagtag 18

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 4708233 seqs, 24227607955 residues

Total number of hits satisfying chosen parameters: 1692386

Minimum DB seq length: 0
Maximum DB seq length: 40

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database : GenEmbl:*
1: gb_ba:*
2: gb_htg:*
3: gb_in:*
4: gb_om:*
5: gb_ov:*
6: gb_pat:*
7: gb_ph:*
8: gb_pl:*
9: gb_pr:*
10: gb_ro:*
11: gb_sts:*
12: gb_sy:*
13: gb_un:*
14: gb_vi:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	18	100.0	18	6	AX781563	AX781563 Sequence
2	18	100.0	24	6	CQ849463	CQ849463 Sequence
3	18	100.0	24	6	AX781565	AX781565 Sequence
c 4	13.4	74.4	20	6	AX795183	AX795183 Sequence
c 5	13.4	74.4	26	6	AR089358	AR089358 Sequence
c 6	13.4	74.4	26	6	AR093558	AR093558 Sequence
c 7	13.4	74.4	35	6	AR074530	AR074530 Sequence
c 8	13.4	74.4	35	6	AR369694	AR369694 Sequence
c 9	12.8	71.1	19	6	CQ790277	CQ790277 Sequence
c 10	12.4	68.9	17	6	AX724657	AX724657 Sequence
c 11	12.4	68.9	17	6	AX736465	AX736465 Sequence
12	12.4	68.9	27	6	AX921646	AX921646 Sequence
c 13	12.4	68.9	28	6	AX511832	AX511832 Sequence
c 14	12.4	68.9	39	6	A77188	A77188 Sequence 16
c 15	12.4	68.9	39	6	I20223	I20223 Sequence 16
c 16	12.2	67.8	20	6	AR044491	AR044491 Sequence
17	12.2	67.8	24	6	AX022499	AX022499 Sequence
18	12.2	67.8	24	6	BD124087	BD124087 Novel nuc
19	12.2	67.8	29	6	AX117139	AX117139 Sequence
c 20	12.2	67.8	30	6	AX793571	AX793571 Sequence
c 21	12.2	67.8	33	6	A70926	A70926 Sequence 6
22	12.2	67.8	33	6	AR071582	AR071582 Sequence
23	12.2	67.8	33	6	AR071588	AR071588 Sequence
24	12.2	67.8	33	6	AX033854	AX033854 Sequence
c 25	12.2	67.8	33	6	BD003411	BD003411 Soluble p
26	12.2	67.8	34	6	AX453599	AX453599 Sequence
27	12.2	67.8	39	6	AX614938	AX614938 Sequence
c 28	12.2	67.8	40	6	AX517113	AX517113 Sequence
c 29	12.2	67.8	40	6	AX519642	AX519642 Sequence
c 30	12	66.7	17	6	BD259273	BD259273 Regulatio
c 31	12	66.7	17	6	BD259274	BD259274 Regulatio
c 32	12	66.7	17	6	BD259275	BD259275 Regulatio
c 33	12	66.7	17	6	BD259276	BD259276 Regulatio
c 34	12	66.7	17	6	BD259277	BD259277 Regulatio
c 35	12	66.7	21	6	BD266028	BD266028 Universal
c 36	12	66.7	21	6	AR530948	AR530948 Sequence
c 37	12	66.7	21	6	AX096973	AX096973 Sequence
c 38	12	66.7	24	6	BD168691	BD168691 Novel G p
c 39	12	66.7	24	6	BD183799	BD183799 Novel G p
c 40	12	66.7	24	6	BD189865	BD189865 Predictio
c 41	12	66.7	31	6	AX248956	AX248956 Sequence
c 42	11.8	65.6	19	6	I44033	I44033 Sequence 7
c 43	11.8	65.6	20	12	ASE287231	AJ287231 Artificia
44	11.8	65.6	23	6	AR173646	AR173646 Sequence
45	11.8	65.6	23	6	BD057080	BD057080 Polymeras
46	11.8	65.6	24	6	AR019296	AR019296 Sequence
47	11.8	65.6	24	6	AR147557	AR147557 Sequence
48	11.8	65.6	24	6	I34710	I34710 Sequence 2
49	11.8	65.6	24	6	I67964	I67964 Sequence 2
50	11.8	65.6	24	6	BD077994	BD077994 Synthetic
c 51	11.8	65.6	25	6	BD245596	BD245596 Developme
c 52	11.8	65.6	26	6	AR430667	AR430667 Sequence
c 53	11.8	65.6	27	6	AX710169	AX710169 Sequence
c 54	11.8	65.6	27	6	AX710175	AX710175 Sequence
55	11.8	65.6	27	6	AX922585	AX922585 Sequence
c 56	11.8	65.6	29	6	CQ775504	CQ775504 Sequence
57	11.8	65.6	29	6	AX116655	AX116655 Sequence
58	11.8	65.6	30	6	AX721850	AX721850 Sequence
59	11.8	65.6	30	6	AX793712	AX793712 Sequence
c 60	11.8	65.6	31	6	BD171347	BD171347 Productio
c 61	11.8	65.6	31	6	BD173758	BD173758 Process f
c 62	11.8	65.6	32	6	BD272250	BD272250 Anti-angi
c 63	11.8	65.6	32	6	AX710197	AX710197 Sequence
c 64	11.8	65.6	32	6	AX710206	AX710206 Sequence
c 65	11.8	65.6	34	6	CQ878240	CQ878240 Sequence
66	11.8	65.6	36	6	CQ824337	CQ824337 Sequence
67	11.8	65.6	38	6	AR047743	AR047743 Sequence
68	11.8	65.6	38	6	I54795	I54795 Sequence 25
69	11.8	65.6	38	6	AR330810	AR330810 Sequence
c 70	11.6	64.4	20	6	AR313801	AR313801 Sequence
c 71	11.6	64.4	20	6	AR493080	AR493080 Sequence
c 72	11.6	64.4	20	6	AX080268	AX080268 Sequence
73	11.6	64.4	20	6	AX462465	AX462465 Sequence
c 74	11.6	64.4	30	6	I30484	I30484 Sequence 7
c 75	11.6	64.4	30	6	AX793308	AX793308 Sequence
76	11.6	64.4	31	6	A62565	A62565 Sequence 3
77	11.6	64.4	31	6	AR151119	AR151119 Sequence
78	11.6	64.4	31	6	BD232307	BD232307 Strategic
c 79	11.6	64.4	32	6	AX044025	AX044025 Sequence
80	11.6	64.4	33	6	A71585	A71585 Sequence 18
81	11.6	64.4	33	6	BD008576	BD008576 Antifunga
82	11.6	64.4	34	6	AX839813	AX839813 Sequence
83	11.6	64.4	36	6	A57684	A57684 Sequence 23
84	11.6	64.4	36	6	AR073752	AR073752 Sequence
85	11.6	64.4	37	6	AR430669	AR430669 Sequence
c 86	11.6	64.4	40	6	CQ846855	CQ846855 Sequence
c 87	11.4	63.3	15	6	AR132192	AR132192 Sequence
c 88	11.4	63.3	15	6	AR132193	AR132193 Sequence
c 89	11.4	63.3	15	6	AR132194	AR132194 Sequence
90	11.4	63.3	17	6	AX648820	AX648820 Sequence
91	11.4	63.3	17	6	AX648821	AX648821 Sequence
92	11.4	63.3	17	6	AX648822	AX648822 Sequence

	93	11.4	63.3	17	6	AX648823
	94	11.4	63.3	17	6	AX648824
	95	11.4	63.3	17	6	AX735271
	96	11.4	63.3	20	6	AR271833
c	97	11.4	63.3	20	6	AR279131
c	98	11.4	63.3	21	6	AR292417
	99	11.4	63.3	21	6	AX154342
c	100	11.4	63.3	21	6	AX250523
	101	11.4	63.3	21	6	AX497919
	102	11.4	63.3	22	6	AR007116
	103	11.4	63.3	22	6	AR013931
	104	11.4	63.3	22	6	E36405
	105	11.4	63.3	22	6	I60584
	106	11.4	63.3	22	6	I70537
	107	11.4	63.3	22	6	AR206316
c	108	11.4	63.3	22	6	AX234646
	109	11.4	63.3	22	6	AX453560
	110	11.4	63.3	24	6	AX175093
c	111	11.4	63.3	25	6	AX043013
	112	11.4	63.3	25	6	AX250526
	113	11.4	63.3	25	6	AX650324
	114	11.4	63.3	25	6	AX650325
	115	11.4	63.3	25	6	AX650326
	116	11.4	63.3	25	6	AX650327
	117	11.4	63.3	25	6	AX650328
	118	11.4	63.3	25	6	AX650329
	119	11.4	63.3	25	6	AX650330
	120	11.4	63.3	25	6	AX650331
	121	11.4	63.3	25	6	AX650332
	122	11.4	63.3	25	6	AX650333
	123	11.4	63.3	25	6	AX650334
	124	11.4	63.3	25	6	AX650335
	125	11.4	63.3	25	6	AX650336
c	126	11.4	63.3	26	6	AX352497
	127	11.4	63.3	27	6	BD206958
	128	11.4	63.3	29	6	BD197975
	129	11.4	63.3	29	6	BD199495
	130	11.4	63.3	29	6	BD258038
	131	11.4	63.3	30	6	AX793227
c	132	11.4	63.3	30	6	AX793524
	133	11.4	63.3	31	6	CQ859432
	134	11.4	63.3	33	6	BD273233
	135	11.4	63.3	33	6	E16739
c	136	11.4	63.3	33	6	AX522847
	137	11.4	63.3	34	6	AR012632
	138	11.4	63.3	34	6	AR071602
	139	11.4	63.3	34	6	AR071604
	140	11.4	63.3	34	6	AR071606
c	141	11.4	63.3	35	6	I14895
	142	11.4	63.3	36	6	A30250
	143	11.4	63.3	36	6	AR001613
c	144	11.4	63.3	39	6	AX797719
	145	11.4	63.3	40	6	AR167625
	146	11.4	63.3	40	6	BD195124
c	147	11.2	62.2	20	6	AR178882
c	148	11.2	62.2	20	6	CQ786743
c	149	11.2	62.2	20	6	AR313786
	150	11.2	62.2	20	6	AR314552
	151	11.2	62.2	20	6	AX785644
	152	11.2	62.2	21	6	BD176877
c	153	11.2	62.2	21	6	CQ824397
c	154	11.2	62.2	21	6	AX935051
	155	11.2	62.2	21	10	MMM1150
c	156	11.2	62.2	22	6	AX105723
c	157	11.2	62.2	24	6	AR129925
c	158	11.2	62.2	24	6	AR285315
	159	11.2	62.2	24	6	AX573770
c	160	11.2	62.2	24	6	BD077081
	161	11.2	62.2	25	6	BD182205
	162	11.2	62.2	25	6	BD188608
	163	11.2	62.2	25	6	AX609103
	164	11.2	62.2	26	6	BD062371
	165	11.2	62.2	26	6	BD123407

AX648823	Sequence
AX648824	Sequence
AX735271	Sequence
AR271833	Sequence
AR279131	Sequence
AR292417	Sequence
AX154342	Sequence
AX250523	Sequence
AX497919	Sequence
AR007116	Sequence
AR013931	Sequence
E36405	Peptide inh
I60584	Sequence 35
I70537	Sequence 35
AR206316	Sequence
AX234646	Sequence
AX453560	Sequence
AX175093	Sequence
AX043013	Sequence
AX250526	Sequence
AX650324	Sequence
AX650325	Sequence
AX650326	Sequence
AX650327	Sequence
AX650328	Sequence
AX650329	Sequence
AX650330	Sequence
AX650331	Sequence
AX650332	Sequence
AX650333	Sequence
AX650334	Sequence
AX650335	Sequence
AX650336	Sequence
AX352497	Sequence
BD206958	Enzymatic
BD197975	Method an
BD199495	Method an
BD258038	Regulatio
AX793227	Sequence
AX793524	Sequence
CQ859432	Sequence
BD273233	Methods f
E16739	Primer. 7/1
AX522847	Sequence
AR012632	Sequence
AR071602	Sequence
AR071604	Sequence
AR071606	Sequence
I14895	Sequence 8
A30250	pS 24 const
AR001613	Sequence
AX797719	Sequence
AR167625	Sequence
BD195124	Screening
AR178882	Sequence
CQ786743	Sequence
AR313786	Sequence
AR314552	Sequence
AX785644	Sequence
BD176877	Nerve dam
CQ824397	Sequence
AX935051	Sequence
X94900	M.musculus
AX105723	Sequence
AR129925	Sequence
AR285315	Sequence
AX573770	Sequence
BD077081	Alpha-amy
BD182205	Polynucle
BD188608	Polynucle
AX609103	Sequence
BD062371	Method of
BD123407	Diagnosis

c	166	11.2	62.2	27	6	A91900
c	167	11.2	62.2	27	6	AR106366
c	168	11.2	62.2	27	6	AR374250
c	169	11.2	62.2	27	6	AX032403
	170	11.2	62.2	28	6	AX477510
	171	11.2	62.2	29	6	AR077730
	172	11.2	62.2	30	6	AR410203
	173	11.2	62.2	30	6	AX576998
	174	11.2	62.2	31	6	AR004665
	175	11.2	62.2	31	6	BD175822
c	176	11.2	62.2	32	6	AR527574
c	177	11.2	62.2	32	6	AX589672
c	178	11.2	62.2	32	6	AX934506
c	179	11.2	62.2	32	6	AX934858
c	180	11.2	62.2	33	6	BD249727
	181	11.2	62.2	33	6	AR237776
c	182	11.2	62.2	33	6	AR316686
c	183	11.2	62.2	33	6	AX134751
	184	11.2	62.2	33	6	AX259283
	185	11.2	62.2	33	6	AX406569
	186	11.2	62.2	33	6	AX711921
	187	11.2	62.2	33	6	AX721825
c	188	11.2	62.2	34	6	AX927016
	189	11.2	62.2	35	6	AR171495
c	190	11.2	62.2	35	6	E49387
c	191	11.2	62.2	35	6	AX030077
	192	11.2	62.2	35	6	BD005515
	193	11.2	62.2	36	6	AX671512
c	194	11.2	62.2	36	6	AX671513
c	195	11.2	62.2	39	6	AX377546
	196	11.2	62.2	40	6	AX538546
c	197	11.2	62.2	40	6	AX538571
c	198	11	61.1	18	6	AR048184
c	199	11	61.1	18	6	E10137
c	200	11	61.1	20	6	AR118143
c	201	11	61.1	20	6	I84421
	202	11	61.1	20	6	AR564732
	203	11	61.1	20	6	AR564753
	204	11	61.1	21	6	AR297965
	205	11	61.1	21	6	AX343804
	206	11	61.1	22	6	AR360323
	207	11	61.1	22	6	AR532244
c	208	11	61.1	24	6	BD237802
c	209	11	61.1	27	6	BD168535
c	210	11	61.1	27	6	I23812
c	211	11	61.1	27	6	AR337969
	212	11	61.1	36	6	AR092739
	213	10.8	60.0	15	6	AR235561
	214	10.8	60.0	16	6	AR235559
c	215	10.8	60.0	17	6	AX671710
	216	10.8	60.0	17	6	AX672327
	217	10.8	60.0	17	6	AX728595
	218	10.8	60.0	17	6	AX737454
	219	10.8	60.0	17	6	AX758018
	220	10.8	60.0	17	6	AX762881
c	221	10.8	60.0	17	6	AX783831
c	222	10.8	60.0	17	6	AX783832
c	223	10.8	60.0	17	6	AX783833
c	224	10.8	60.0	17	6	AX783834
c	225	10.8	60.0	18	6	AR076373
c	226	10.8	60.0	18	6	BD234316
	227	10.8	60.0	18	6	AX353078
	228	10.8	60.0	18	6	AX362923
	229	10.8	60.0	19	6	AX252964
	230	10.8	60.0	20	6	A46320
	231	10.8	60.0	20	6	AR027806
	232	10.8	60.0	20	6	AR027807
	233	10.8	60.0	20	6	AR112896
c	234	10.8	60.0	20	6	AR167145
c	235	10.8	60.0	20	6	BD196107
	236	10.8	60.0	20	6	I43991
c	237	10.8	60.0	20	6	AR215726
c	238	10.8	60.0	20	6	AR226008

A91900	Sequence 4
AR106366	Sequence
AR374250	Sequence
AX032403	Sequence
AX477510	Sequence
AR077730	Sequence
AR410203	Sequence
AX576998	Sequence
AR004665	Sequence
BD175822	Human vas
AR527574	Sequence
AX589672	Sequence
AX934506	Sequence
AX934858	Sequence
BD249727	Productio
AR237776	Sequence
AR316686	Sequence
AX134751	Sequence
AX259283	Sequence
AX406569	Sequence
AX711921	Sequence
AX721825	Sequence
AX927016	Sequence
AR171495	Sequence
E49387	Process for
AX030077	Sequence
BD005515	Compositi
AX671512	Sequence
AX671513	Sequence
AX377546	Sequence
AX538546	Sequence
AX538571	Sequence
AR048184	Sequence
E10137	PCR primer
AR118143	Sequence
I84421	Sequence 11
AR564732	Sequence
AR564753	Sequence
AR297965	Sequence
AX343804	Sequence
AR360323	Sequence
AR532244	Sequence
BD237802	Utilizati
BD168535	Cells pro
I23812	Sequence 30
AR337969	Sequence
AR092739	Sequence
AR235561	Sequence
AR235559	Sequence
AX671710	Sequence
AX672327	Sequence
AX728595	Sequence
AX737454	Sequence
AX758018	Sequence
AX762881	Sequence
AX783831	Sequence
AX783832	Sequence
AX783833	Sequence
AX783834	Sequence
AR076373	Sequence
BD234316	Antisense
AX353078	Sequence
AX362923	Sequence
AX252964	Sequence
A46320	Sequence 9
AR027806	Sequence
AR027807	Sequence
AR112896	Sequence
AR167145	Sequence
BD196107	Antisense
I43991	Sequence 9
AR215726	Sequence
AR226008	Sequence

	823	10.2	56.7	28	6	E10316 E10316 PCR primer
	824	10.2	56.7	28	6	AX405346 AX405346 Sequence
	825	10.2	56.7	29	6	AR075789 AR075789 Sequence
c	826	10.2	56.7	29	6	AR164952 AR164952 Sequence
c	827	10.2	56.7	29	6	BD161873 BD161873 Process f
c	828	10.2	56.7	29	6	BD170774 BD170774 Process f
c	829	10.2	56.7	29	6	BD186392 BD186392 Peptides
c	830	10.2	56.7	29	6	CQ760527 CQ760527 Sequence
c	831	10.2	56.7	29	6	CQ871899 CQ871899 Sequence
c	832	10.2	56.7	29	6	E31953 E31953 Process for
c	833	10.2	56.7	29	6	E37782 E37782 Process for
c	834	10.2	56.7	29	6	E38943 E38943 Process for
	835	10.2	56.7	29	6	AX613269 AX613269 Sequence
c	836	10.2	56.7	29	6	BD014881 BD014881 Process f
	837	10.2	56.7	30	6	AR092427 AR092427 Sequence
c	838	10.2	56.7	30	6	AR105939 AR105939 Sequence
	839	10.2	56.7	30	6	AR142224 AR142224 Sequence
c	840	10.2	56.7	30	6	BD141045 BD141045 Virus vec
c	841	10.2	56.7	30	6	BD169546 BD169546 Paramyxov
	842	10.2	56.7	30	6	CQ779482 CQ779482 Sequence
c	843	10.2	56.7	30	6	CQ857031 CQ857031 Sequence
c	844	10.2	56.7	30	6	CQ857172 CQ857172 Sequence
c	845	10.2	56.7	30	6	CQ857215 CQ857215 Sequence
	846	10.2	56.7	30	6	E50663 E50663 Simple dete
	847	10.2	56.7	30	6	AX300157 AX300157 Sequence
c	848	10.2	56.7	30	6	AX443460 AX443460 Sequence
c	849	10.2	56.7	30	6	AX472503 AX472503 Sequence
c	850	10.2	56.7	30	6	AX717491 AX717491 Sequence
c	851	10.2	56.7	30	6	AX790811 AX790811 Sequence
c	852	10.2	56.7	30	6	AX790883 AX790883 Sequence
	853	10.2	56.7	30	6	AX790908 AX790908 Sequence
c	854	10.2	56.7	30	6	AX791269 AX791269 Sequence
	855	10.2	56.7	30	6	AX791369 AX791369 Sequence
c	856	10.2	56.7	30	6	AX791452 AX791452 Sequence
c	857	10.2	56.7	30	6	AX791645 AX791645 Sequence
c	858	10.2	56.7	30	6	AX792021 AX792021 Sequence
c	859	10.2	56.7	30	6	AX792177 AX792177 Sequence
c	860	10.2	56.7	30	6	AX792783 AX792783 Sequence
	861	10.2	56.7	30	6	AX792947 AX792947 Sequence
	862	10.2	56.7	30	6	AX793065 AX793065 Sequence
c	863	10.2	56.7	30	6	AX793126 AX793126 Sequence
c	864	10.2	56.7	30	6	AX793142 AX793142 Sequence
c	865	10.2	56.7	30	6	AX793340 AX793340 Sequence
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  ORGANISM  Escherichia coli
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REFERENCE   1
  AUTHORS   Liu,L.Y., Chung,T.Y. and Terng,H.J.
  TITLE     Method for detecting Escherichia coli
  JOURNAL   Patent: EP 1321530-A 1 25-JUN-2003;
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  ORGANISM  synthetic construct
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REFERENCE   1
  AUTHORS   Lin,C.P., Chen,C.A., Chen,M.Y. and Huang,M.Y.
  TITLE     Method and apparatus for detecting pathogens
  JOURNAL   Patent: EP 1447454-A 1 18-AUG-2004;
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            Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
            Enterobacteriaceae; Escherichia.
REFERENCE   1
  AUTHORS   Liu,L.Y., Chung,T.Y. and Terng,H.J.
  TITLE     Method for detecting Escherichia coli
  JOURNAL   Patent: EP 1321530-A 3 25-JUN-2003;
            Dr. Chip Biotechnology Incorporation (TW)
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VERSION     AX795183.1  GI:37515944
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SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Giuliano,G., Rosati,C., Dharmapuri,S., Pallara,P. and Camara,B.
  TITLE     Recombinant plants and dna constructs
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(without alignments)
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Scoring table: IDENTITY_NUC
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Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 1132682

Minimum DB seq length: 0
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Listing first 1000 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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c	2	13.4	74.4	26	3	US-08-526-840B-117	Sequence 117, App
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c	63	11.4	63.3	15	3	US-09-038-073-617	Sequence 617, App
c	64	11.4	63.3	15	3	US-09-038-073-618	Sequence 618, App
c	65	11.4	63.3	15	3	US-09-038-073-619	Sequence 619, App
	66	11.4	63.3	15	3	US-09-180-437-145	Sequence 145, App
	67	11.4	63.3	20	4	US-09-657-346A-77	Sequence 77, Appl
c	68	11.4	63.3	20	4	US-09-216-393B-264	Sequence 264, App
c	69	11.4	63.3	21	4	US-09-422-978-4152	Sequence 4152, Ap
c	70	11.4	63.3	21	4	US-09-525-305-39	Sequence 39, Appl
	71	11.4	63.3	22	1	US-08-370-567-35	Sequence 35, Appl
	72	11.4	63.3	22	1	US-08-438-759-35	Sequence 35, Appl
	73	11.4	63.3	22	1	US-08-538-911-10	Sequence 10, Appl
	74	11.4	63.3	22	1	US-08-117-361C-20	Sequence 20, Appl
	75	11.4	63.3	22	3	US-09-140-201-1	Sequence 1, Appli
	76	11.4	63.3	22	5	PCT-US93-06751-129	Sequence 129, App
	77	11.4	63.3	22	5	PCT-US94-05591-10	Sequence 10, Appl
	78	11.4	63.3	22	5	PCT-US94-05684-35	Sequence 35, Appl
	79	11.4	63.3	25	4	US-09-525-305-42	Sequence 42, Appl
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c	81	11.4	63.3	25	4	US-09-396-196G-466	Sequence 466, App
	82	11.4	63.3	25	4	US-09-396-196G-11492	Sequence 11492, A
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	94	11.4	63.3	34	1	US-08-201-118-35	Sequence 35, Appl
	95	11.4	63.3	34	1	US-08-201-118-37	Sequence 37, Appl
	96	11.4	63.3	34	1	US-08-201-118-39	Sequence 39, Appl
	97	11.4	63.3	34	2	US-08-238-821B-35	Sequence 35, Appl
	98	11.4	63.3	34	2	US-08-238-821B-37	Sequence 37, Appl
	99	11.4	63.3	34	2	US-08-238-821B-39	Sequence 39, Appl
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	124	11.2	62.2	31	1	US-08-464-339A-3
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	132	11.2	62.2	35	5	PCT-US93-01009-21
	133	11.2	62.2	36	3	US-08-544-381B-248
	134	11.2	62.2	37	3	US-09-113-750A-53
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c	137	11	61.1	20	2	US-08-485-105A-11
	138	11	61.1	20	3	US-09-157-177-75
	139	11	61.1	20	3	US-09-157-177-96
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	142	11	61.1	20	4	US-09-541-210-96
	143	11	61.1	21	4	US-09-422-978-9700
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	205	10.8	60.0	27	4	US-09-684-855-72
c	206	10.8	60.0	27	4	US-09-684-855-73
	207	10.8	60.0	27	4	US-09-488-265B-74
	208	10.8	60.0	28	3	US-08-544-381B-170
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c	210	10.8	60.0	29	1	US-08-757-180-68
c	211	10.8	60.0	29	1	US-08-745-638-69
	212	10.8	60.0	29	4	US-09-653-778B-17
	213	10.8	60.0	30	1	US-08-386-652-2
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	215	10.8	60.0	30	3	US-08-348-548-48
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OM nucleic - nucleic search, using sw model

Run on: April 15, 2005, 21:56:28 ; Search time 1312.93 Seconds
(without alignments)
521.854 Million cell updates/sec

Title: US-10-025-137B-1
Perfect score: 18
Sequence: 1 cgcaagctgaaaaagtag 18

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 34239544 seqs, 19032134700 residues

Total number of hits satisfying chosen parameters: 94960

Minimum DB seq length: 0
Maximum DB seq length: 40

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database : EST:*
1: gb_est1:*
2: gb_est2:*
3: gb_htc:*
4: gb_est3:*
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6: gb_est5:*
7: gb_est6:*
8: gb_gss1:*
9: gb_gss2:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
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	4	12.2	67.8	24	8	AZ624698	AZ624698 1M0463I01
	5	12.2	67.8	29	8	AZ456569	AZ456569 1M0259C05
	6	12.2	67.8	34	8	AZ513161	AZ513161 1M0359H11
	7	12.2	67.8	39	8	AZ799964	AZ799964 2M0057B18
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	19	10.8	60.0	26	8	AZ455706	AZ455706 1M0258M11
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	27	10.8	60.0	32	8	AZ410901	AZ410901 1M0183A12
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c	37	10.6	58.9	27	8	BZ768211	BZ768211 SALK_1399
c	38	10.6	58.9	27	8	BZ768216	BZ768216 SALK_1399
c	39	10.6	58.9	27	9	CC883608	CC883608 SALK_0951
	40	10.6	58.9	28	1	AA860299	AA860299 aj22g12.s
	41	10.6	58.9	28	8	AZ583628	AZ583628 1M0378H09
	42	10.6	58.9	29	9	CC797798	CC797798 SALK_1454
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c	52	10.6	58.9	38	7	T73578	T73578 yc36d06.s1
c	53	10.6	58.9	38	8	AZ305231	AZ305231 1M0005M15
	54	10.6	58.9	39	9	CL308264	CL308264 03F0096-0
	55	10.6	58.9	40	1	AA162748	AA162748 mn48d08.r
	56	10.6	58.9	40	1	AU256056	AU256056 AU256056
	57	10.6	58.9	40	8	AZ376869	AZ376869 1M0131M01
c	58	10.4	57.8	19	8	AZ581163	AZ581163 1M0369M20
c	59	10.4	57.8	20	7	CF295326	CF295326 30DGS--05
	60	10.4	57.8	27	8	CC054151	CC054151 SALK_0535
c	61	10.4	57.8	27	9	TA341G09Q	AL493345 T. brucei
	62	10.4	57.8	31	9	AJ592288	AJ592288 Arabidops
	63	10.4	57.8	31	9	AJ592418	AJ592418 Arabidops
	64	10.4	57.8	31	9	CC889152	CC889152 SALK_1528
	65	10.4	57.8	32	8	AZ841680	AZ841680 2M0139N14
	66	10.4	57.8	32	9	CC887208	CC887208 SALK_1497
	67	10.4	57.8	33	1	AU007243	AU007243 AU007243
c	68	10.4	57.8	33	9	AG201942	AG201942 Pan trogl
	69	10.4	57.8	34	1	AA984692	AA984692 am89g08.s
	70	10.4	57.8	34	1	AU007259	AU007259 AU007259
c	71	10.4	57.8	38	1	AU014186	AU014186 AU014186
c	72	10.4	57.8	39	8	AZ760019	AZ760019 1M0553E24
c	73	10.4	57.8	40	9	BX892065	BX892065 Arabidops
c	74	10.4	57.8	40	9	BX943323	BX943323 Arabidops
	75	10.2	56.7	20	8	AZ462631	AZ462631 1M0269F12
c	76	10.2	56.7	25	6	C00104	C00104 HUMGS000572
c	77	10.2	56.7	25	8	AZ338193	AZ338193 1M0069I12
c	78	10.2	56.7	25	8	AZ414362	AZ414362 1M0188F14
	79	10.2	56.7	25	8	AZ632461	AZ632461 1M0487B07
c	80	10.2	56.7	25	9	CL437099	CL437099 PST4504-N
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	82	10.2	56.7	27	9	CC794214	CC794214 SALK_0455
	83	10.2	56.7	28	1	AI183010	AI183010 ub92e02.r
c	84	10.2	56.7	28	1	AJ792338	AJ792338 AJ792338
	85	10.2	56.7	29	8	BZ770812	BZ770812 SALK_1437
c	86	10.2	56.7	30	8	AZ957677	AZ957677 2M0224E11
	87	10.2	56.7	31	1	AI154823	AI154823 ud80a04.r
	88	10.2	56.7	31	1	AI324959	AI324959 ml93f04.x
c	89	10.2	56.7	31	8	BH908919	BH908919 SALK_0512
	90	10.2	56.7	32	4	BJ044822	BJ044822 BJ044822
	91	10.2	56.7	32	8	AZ311496	AZ311496 1M0027A03
c	92	10.2	56.7	32	8	AZ326452	AZ326452 1M0049B19
c	93	10.2	56.7	32	8	BH811125	BH811125 SALK_0574
	94	10.2	56.7	33	9	AG199558	AG199558 Pan trogl
	95	10.2	56.7	34	8	AZ462320	AZ462320 1M0269J03
	96	10.2	56.7	35	6	C02422	C02422 HUMGS001229
	97	10.2	56.7	35	8	BH907879	BH907879 SALK_0446

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	99	10.2	56.7	37	1	AI314676
c	100	10.2	56.7	37	9	CG733655
	101	10.2	56.7	39	7	N75693
c	102	10.2	56.7	39	9	AL770124
c	103	10.2	56.7	40	8	BH863394
	104	10.2	56.7	40	9	AG216092
	105	10	55.6	16	1	AJ676705
	106	10	55.6	18	9	AJ587441
	107	10	55.6	19	8	AZ772819
	108	10	55.6	22	1	AJ801628
	109	10	55.6	24	1	AU257964
c	110	10	55.6	24	8	AZ831805
c	111	10	55.6	26	8	AZ331583
	112	10	55.6	26	8	AZ470905
c	113	10	55.6	27	6	CA850741
	114	10	55.6	27	9	CL680176
c	115	10	55.6	28	9	DME546620
c	116	10	55.6	33	8	AZ314204
c	117	10	55.6	33	8	AZ429931
	118	10	55.6	34	1	AA906941
	119	10	55.6	34	1	AB088500
c	120	10	55.6	34	8	AZ313963
	121	10	55.6	35	1	AI151745
	122	10	55.6	36	9	CL678018
c	123	10	55.6	37	1	AA705870
c	124	10	55.6	37	8	AZ817160
c	125	10	55.6	38	7	T71023
c	126	10	55.6	38	7	T71791
	127	10	55.6	39	4	BJ082050
c	128	10	55.6	39	8	AZ778140
	129	10	55.6	39	8	BH910208
	130	10	55.6	39	8	BZ291266
	131	10	55.6	39	8	BZ291276
	132	10	55.6	39	8	BZ593557
c	133	10	55.6	40	2	BF234348
c	134	9.8	54.4	19	9	CL680494
c	135	9.8	54.4	20	2	AW246466
	136	9.8	54.4	20	8	AZ761543
	137	9.8	54.4	20	8	AZ828387
c	138	9.8	54.4	23	2	AW250993
c	139	9.8	54.4	24	8	AZ460288
	140	9.8	54.4	25	8	BZ761861
c	141	9.8	54.4	26	8	BH792892
	142	9.8	54.4	27	8	AZ387860
c	143	9.8	54.4	28	1	AI355146
	144	9.8	54.4	28	8	AZ589974
c	145	9.8	54.4	28	8	AZ965579
c	146	9.8	54.4	29	8	AZ370052
c	147	9.8	54.4	29	8	BZ664363
	148	9.8	54.4	31	1	AI159285
c	149	9.8	54.4	31	8	AZ363222
	150	9.8	54.4	31	8	AZ598943
c	151	9.8	54.4	31	9	AL937252
	152	9.8	54.4	32	8	AZ875713
c	153	9.8	54.4	32	9	TA42H08P
	154	9.8	54.4	34	5	BX555577
	155	9.8	54.4	34	5	BX569109
	156	9.8	54.4	34	8	AZ481979
c	157	9.8	54.4	34	8	AZ631120
c	158	9.8	54.4	35	2	BF136704
	159	9.8	54.4	35	6	C01249
	160	9.8	54.4	35	9	TA129B11P
	161	9.8	54.4	36	1	AJ237099
	162	9.8	54.4	36	2	BF134824
	163	9.8	54.4	36	6	CA584280
c	164	9.8	54.4	36	8	AZ598220
c	165	9.8	54.4	36	8	BH791303
c	166	9.8	54.4	36	9	CR396262
	167	9.8	54.4	36	9	DR102I22T
c	168	9.8	54.4	37	1	AI966515
	169	9.8	54.4	37	1	AJ647064
c	170	9.8	54.4	37	8	AZ444497

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N75693	yw52a01.r1
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BH863394	SALK_0938
AG216092	Drosophil
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AJ587441	Arabidops
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AJ801628	AJ801628
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AZ831805	2M0111D16
AZ331583	1M0059A11
AZ470905	1M0285C22
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AZ314204	1M0030G22
AZ429931	1M0214H08
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AZ313963	1M0030I04
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AA705870	ab42h08.s
AZ817160	2M0086M18
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BZ593557	SALK_0739
BF234348	602026283
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AW250993	2821933.3
AZ460288	1M0265L06
BZ761861	SALK_0824
BH792892	SALK_0670
AZ387860	1M0147M20
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AZ589974	1M0399K15
AZ965579	2M0235B15
AZ370052	1M0120K22
BZ664363	SALK_0706
AI159285	vz85b12.r
AZ363222	1M0108H08
AZ598943	1M0414G02
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AZ875713	2M0190F20
AL455578	T. brucei
BX555577	BX555577
BX569109	BX569109
AZ481979	1M0306K12
AZ631120	1M0485F09
BF136704	601780470
C01249	HUMGS000797
AL463987	T. brucei
AJ237099	AJ237099
BF134824	601779387
CA584280	LBB00119.
AZ598220	1M0412J23
BH791303	SALK_0597
CR396262	Arabidops
AL984132	Danio rer
AI966515	sc51b05.y
AJ647064	AJ647064
AZ444497	1M0239A16

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c	173	9.8	54.4	37	9	CC887586
c	174	9.8	54.4	38	9	AG202436
c	175	9.8	54.4	39	8	AZ307139
c	176	9.8	54.4	40	1	AI343179
c	177	9.8	54.4	40	1	AI799100
	178	9.8	54.4	40	8	AZ476168
c	179	9.8	54.4	40	8	AZ817424
	180	9.8	54.4	40	8	BH608730
c	181	9.8	54.4	40	8	BH808901
c	182	9.8	54.4	40	8	BZ352578
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c	184	9.8	54.4	40	9	CL639674
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	187	9.6	53.3	22	1	AU256517
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	189	9.6	53.3	25	7	CF338204
c	190	9.6	53.3	26	9	AG188983
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c	195	9.6	53.3	29	8	AZ373651
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	205	9.6	53.3	35	9	CG711417
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c	207	9.6	53.3	36	4	BJ044028
c	208	9.6	53.3	36	6	CA906083
c	209	9.6	53.3	37	1	AI966055
	210	9.6	53.3	37	8	AZ395256
c	211	9.6	53.3	37	8	BH792308
c	212	9.6	53.3	37	8	BH906818
c	213	9.6	53.3	37	8	BH906819
c	214	9.6	53.3	37	9	CC883905
c	215	9.6	53.3	38	7	T61852
c	216	9.6	53.3	38	8	AZ347040
	217	9.6	53.3	38	9	CC794926
	218	9.6	53.3	39	8	AZ772153
	219	9.6	53.3	39	8	BH861726
	220	9.6	53.3	39	8	BH861727
	221	9.6	53.3	40	1	AU264005
	222	9.6	53.3	40	4	BJ028987
c	223	9.6	53.3	40	8	AZ622088
c	224	9.6	53.3	40	8	AZ759920
c	225	9.4	52.2	19	2	AW246513
	226	9.4	52.2	19	8	AZ514547
c	227	9.4	52.2	20	8	AZ826828
	228	9.4	52.2	24	8	AZ601978
	229	9.4	52.2	25	1	AB094442
	230	9.4	52.2	25	1	AU012885
	231	9.4	52.2	25	7	CO780688
c	232	9.4	52.2	25	8	AZ465511
	233	9.4	52.2	25	9	PCH304130
	234	9.4	52.2	26	8	AZ405677
	235	9.4	52.2	26	8	AZ588392
c	236	9.4	52.2	26	8	AZ966352
	237	9.4	52.2	26	9	TA363A11P
c	238	9.4	52.2	27	8	BZ357699
	239	9.4	52.2	28	1	AI687005
c	240	9.4	52.2	28	8	BH813131
c	241	9.4	52.2	29	1	AU256296
c	242	9.4	52.2	29	8	AZ324774
	243	9.4	52.2	29	8	AZ588457

BZ378094	SALK_1071
AL493389	T. brucei
CC887586	SALK_1504
AG202436	Pan trogl
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AI343179	tb92d06.x
AI799100	we98g03.x
AZ476168	1M0294C16
AZ817424	2M0086M09
BH608730	9f22 LL18
BH808901	1008083A1
BZ352578	SALK_0811
BZ352579	SALK_0811
CL639674	P028D02 G
AZ799032	2M0056K07
AJ795973	AJ795973
AU256517	AU256517
AZ447907	1M0245I18
CF338204	JMT--08-P
AG188983	Pan trogl
AL491752	T. brucei
BZ286355	EY00037-5
AL464014	T. brucei
AA867596	vy02e02.r
AZ373651	1M0126F19
AZ808163	2M0071N08
AZ827644	2M0104N08
BH900940	KG07641-3
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AL476090	T. brucei
CL873405	abe88e09.
AZ803828	2M0064J21
BZ665398	SALK_1114
CG711417	1119021D0
AJ650144	AJ650144
BJ044028	BJ044028
CA906083	PCS01742x
AI966055	sc26d04.y
AZ395256	1M0159D22
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CC883905	SALK_1022
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AZ347040	1M0083A06
CC794926	SALK_0585
AZ772153	1M0574N16
BH861726	SALK_0878
BH861727	SALK_0879
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AZ622088	1M0455F11
AZ759920	1M0553H11
AW246513	2821739.3
AZ514547	1M0361J12
AZ826828	2M0102P15
AZ601978	1M0420F05
AB094442	AB094442
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CO780688	BL010B_D0
AZ465511	1M0275D02
AJ304130	Plasmodiu
AZ405677	1M0174D07
AZ588392	1M0396L12
AZ966352	2M0236J17
AL494261	T. brucei
BZ357699	SALK_1311
AI687005	tp81f02.x
BH813131	SALK_0637
AU256296	AU256296
AZ324774	1M0046C23
AZ588457	1M0396L17

GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: April 15, 2005, 16:34:35 ; Search time 170.571 Seconds
(without alignments)
624.696 Million cell updates/sec

Title: US-10-025-137B-1
Perfect score: 18
Sequence: 1 cgcaagctgaaaaagtag 18

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 4390206 seqs, 2959870667 residues

Total number of hits satisfying chosen parameters: 3916100

Minimum DB seq length: 0
Maximum DB seq length: 40

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database : N_Geneseq_16Dec04:*
1: geneseqn1980s:*
2: geneseqn1990s:*
3: geneseqn2000s:*
4: geneseqn2001as:*
5: geneseqn2001bs:*
6: geneseqn2002as:*
7: geneseqn2002bs:*
8: geneseqn2003as:*
9: geneseqn2003bs:*
10: geneseqn2003cs:*
11: geneseqn2003ds:*
12: geneseqn2004as:*
13: geneseqn2004bs:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	18	100.0	18	10	ADD28221	Add28221 E. coli-s
	2	18	100.0	24	10	ADD28212	Add28212 E. coli-s
	3	18	100.0	24	13	ADR23449	Adr23449 PCR prime
	4	13.8	76.7	27	12	ADJ46666	Adj46666 Lactobaci
	5	13.8	76.7	27	12	ADJ46674	Adj46674 Lactobaci
	6	13.8	76.7	28	8	ACA89964	Aca89964 Cardiovas
	7	13.8	76.7	30	12	ADM82143	Adm82143 Phospho-i
	8	13.8	76.7	30	12	ADQ76725	Adq76725 Phospho-i
c	9	13.4	74.4	20	10	ADE78589	Ade78589 Endogenou
c	10	13.4	74.4	24	13	ADR73318	Adr73318 Thale cre
c	11	13.4	74.4	26	2	AAT28484	Aat28484 M. catarr
c	12	13.4	74.4	26	4	ABA76941	Aba76941 Moraxella
c	13	12.8	71.1	19	12	ADK17304	Adk17304 Human OCT
	14	12.8	71.1	19	12	ADQ61335	Adq61335 Anti-CDC2
	15	12.8	71.1	20	4	AAD17423	Aad17423 Human HZD
	16	12.8	71.1	21	12	ADK97654	Adk97654 Primer of
c	17	12.8	71.1	23	7	ADI95019	Adi95019 Human LCA
	18	12.8	71.1	30	3	AAA46073	Aaa46073 Human G p
	19	12.8	71.1	30	12	ADG86440	Adg86440 Human TDA
	20	12.8	71.1	30	12	ADO49491	Ado49491 H. pylori
	21	12.8	71.1	30	12	ADP20233	Adp20233 Human G p
c	22	12.8	71.1	31	4	AAF86330	Aaf86330 Human rev
	23	12.8	71.1	35	10	ADF50451	Adf50451 PCR prime
c	24	12.4	68.9	17	8	ACC65097	Acc65097 Murine ol
c	25	12.4	68.9	17	10	ADI49552	Adi49552 Human tum
	26	12.4	68.9	20	2	AAT41245	Aat41245 Human gen
c	27	12.4	68.9	21	4	AAF97386	Aaf97386 Human gen
	28	12.4	68.9	27	6	ADH49355	Adh49355 NOV54 PCR
c	29	12.4	68.9	28	6	ABS59640	Abs59640 Oligonucl
c	30	12.4	68.9	28	12	ADL56929	Adl56929 Human NOV
c	31	12.4	68.9	28	12	ADO39313	Ado39313 Human NOV
c	32	12.4	68.9	33	6	ABA05494	Aba05494 Human arg
	33	12.2	67.8	20	2	AAZ02139	Aaz02139 PCR prime
c	34	12.2	67.8	20	10	ADH93254	Adh93254 Human gen
	35	12.2	67.8	20	10	ABZ92650	Abz92650 Human oli
	36	12.2	67.8	20	11	ABD28880	Abd28880 AA128561-
	37	12.2	67.8	20	12	ADL00729	Adl00729 Human VEG
	38	12.2	67.8	20	12	ADL00814	Adl00814 Human VEG
	39	12.2	67.8	20	12	ADL00825	Adl00825 Human VEG
	40	12.2	67.8	20	12	ADL00703	Adl00703 Human VEG
c	41	12.2	67.8	22	12	ADM11175	Adm11175 PCR prime
	42	12.2	67.8	24	2	AAX86548	Aax86548 Primer re
	43	12.2	67.8	24	4	AAS03680	Aas03680 PCR prime
c	44	12.2	67.8	25	9	ACK23862	Ack23862 Human mic
	45	12.2	67.8	29	4	AAH39466	Aah39466 SNP speci
c	46	12.2	67.8	30	6	ABX69808	Abx69808 Novel Hel
	47	12.2	67.8	30	12	ADM82146	Adm82146 Padlock e
	48	12.2	67.8	30	12	ADQ76728	Adq76728 Phospho-i
	49	12.2	67.8	33	2	AAQ53483	Aaq53483 PCR prime
	50	12.2	67.8	33	2	AAV44160	Aav44160 Human cyt
	51	12.2	67.8	33	2	AAV44166	Aav44166 Human cyt
c	52	12.2	67.8	33	2	AAV29702	Aav29702 PCR prime
	53	12.2	67.8	34	6	AAD44372	Aad44372 Amrk752-N
c	54	12.2	67.8	34	6	ABK11404	Abk11404 E. coli F
c	55	12.2	67.8	37	12	ADJ56692	Adj56692 Lactobaci
	56	12.2	67.8	39	6	ABK50954	Abk50954 Bacillus
c	57	12.2	67.8	40	3	AAA13017	Aaa13017 BabA2 adh
c	58	12.2	67.8	40	6	ABZ49057	Abz49057 Human ALD
c	59	12.2	67.8	40	6	ABZ46527	Abz46527 Human ALD
c	60	12	66.7	17	3	AAF07075	Aaf07075 Hammerhea
c	61	12	66.7	17	3	AAF07078	Aaf07078 Hammerhea
c	62	12	66.7	17	3	AAF07076	Aaf07076 Hammerhea
c	63	12	66.7	17	3	AAF07077	Aaf07077 Hammerhea
c	64	12	66.7	17	3	AAF07079	Aaf07079 Hammerhea
	65	12	66.7	20	12	ADK15840	Adk15840 Human ABC
c	66	12	66.7	21	3	AAC73120	Aac73120 SNP flank
c	67	12	66.7	24	6	ABK69625	Abk69625 Novel G p
c	68	12	66.7	24	8	ABZ79914	Abz79914 Rat TGR23
c	69	12	66.7	24	10	ACC68824	Acc68824 Rat TGR23
c	70	12	66.7	29	3	AAA03823	Aaa03823 Polymorph
	71	12	66.7	36	12	ADJ63885	Adj63885 Plant lip
	72	11.8	65.6	17	12	ADO09434	Ado09434 Diabetes
	73	11.8	65.6	17	12	ADO09438	Ado09438 Diabetes
c	74	11.8	65.6	20	3	AAA96383	Aaa96383 Primer us
c	75	11.8	65.6	20	12	ADH72439	Adh72439 Human rev
	76	11.8	65.6	20	12	ADL01047	Adl01047 Human VEG
	77	11.8	65.6	20	12	ADL00978	Adl00978 Human VEG
	78	11.8	65.6	21	4	AAH62539	Aah62539 Arachidon
	79	11.8	65.6	24	2	AAT18736	Aat18736 Primer #2
	80	11.8	65.6	24	2	AAT63135	Aat63135 Primer 2,
	81	11.8	65.6	24	2	AAT93502	Aat93502 Locus spe
	82	11.8	65.6	24	2	AAV36848	Aav36848 Nucleotid
	83	11.8	65.6	24	2	AAX34307	Aax34307 Primer E8
c	84	11.8	65.6	24	6	ABA94095	Aba94095 Human sig
	85	11.8	65.6	24	8	AAD50357	Aad50357 Recogniti
c	86	11.8	65.6	25	3	AAA68571	Aaa68571 Bacteriop
	87	11.8	65.6	25	9	ACI77249	Aci77249 Human mic
	88	11.8	65.6	25	9	ACI59471	Aci59471 Human mic
c	89	11.8	65.6	25	12	ADP18001	Adp18001 Renal cel
c	90	11.8	65.6	25	12	ADP17999	Adp17999 Renal cel
c	91	11.8	65.6	25	12	ADP18000	Adp18000 Renal cel
	92	11.8	65.6	26	2	AAQ53968	Aaq53968 Human OTC
c	93	11.8	65.6	26	5	AAC89361	Aac89361 Primer #2

c 94	11.8	65.6	26	12	ADG38827
95	11.8	65.6	27	6	ADI17389
c 96	11.8	65.6	27	10	ABX13108
c 97	11.8	65.6	27	10	ABX13114
98	11.8	65.6	27	12	ADN42478
99	11.8	65.6	29	4	AAH38982
c 100	11.8	65.6	29	12	ADK67813
101	11.8	65.6	30	6	ABX69949
102	11.8	65.6	30	10	ADE76726
103	11.8	65.6	30	10	ADG10214
c 104	11.8	65.6	31	6	AAL44178
c 105	11.8	65.6	32	3	AAZ50402
c 106	11.8	65.6	32	10	ABX13142
c 107	11.8	65.6	32	10	ABX13135
c 108	11.8	65.6	33	2	AAQ86817
109	11.8	65.6	33	12	ADM78393
110	11.8	65.6	33	12	ADM78407
c 111	11.8	65.6	34	13	ADS51931
c 112	11.8	65.6	35	2	AAT32597
113	11.8	65.6	36	6	ABX02337
114	11.8	65.6	36	12	ADP18481
c 115	11.8	65.6	37	10	ADF78207
c 116	11.8	65.6	37	10	ADH53023
c 117	11.8	65.6	37	13	ADR97782
c 118	11.8	65.6	37	13	ADS08466
119	11.8	65.6	38	6	ACN26805
c 120	11.6	64.4	20	2	AAZ05580
c 121	11.6	64.4	20	2	AAX95012
c 122	11.6	64.4	20	4	AAF55014
123	11.6	64.4	20	6	ABQ92941
124	11.6	64.4	20	13	ADT01673
c 125	11.6	64.4	21	4	AAF54876
c 126	11.6	64.4	24	6	ABS55765
c 127	11.6	64.4	25	9	ACK26972
c 128	11.6	64.4	27	3	AAA61682
c 129	11.6	64.4	30	2	AAQ35951
c 130	11.6	64.4	30	6	ABX69545
131	11.6	64.4	31	2	AAT98062
132	11.6	64.4	31	2	AAZ08820
133	11.6	64.4	31	6	ABK44215
134	11.6	64.4	31	6	ABK67442
135	11.6	64.4	31	6	ABK67509
136	11.6	64.4	31	10	ADE10979
137	11.6	64.4	31	10	ADG46964
138	11.6	64.4	31	11	ADM83209
139	11.6	64.4	31	11	ADM40916
140	11.6	64.4	31	12	ADG64050
141	11.6	64.4	31	12	ADP73630
142	11.6	64.4	31	12	ADP73758
143	11.6	64.4	31	12	ADP73653
144	11.6	64.4	31	13	ADR12906
c 145	11.6	64.4	31	13	ADS12568
c 146	11.6	64.4	32	3	AAZ54573
c 147	11.6	64.4	32	3	AAZ54961
c 148	11.6	64.4	32	3	AAA81318
c 149	11.6	64.4	32	3	AAF21603
150	11.6	64.4	33	2	AAV27262
151	11.6	64.4	34	10	ADF50545
152	11.6	64.4	36	2	AAT48063
153	11.6	64.4	37	5	AAC89363
154	11.6	64.4	37	12	ADG38829
c 155	11.6	64.4	37	13	ADQ81851
c 156	11.6	64.4	40	12	ADP71066
c 157	11.4	63.3	15	2	AAX65124
c 158	11.4	63.3	15	2	AAX65125
c 159	11.4	63.3	15	2	AAX65123
160	11.4	63.3	17	2	AAQ71909
161	11.4	63.3	17	10	ADC04175
162	11.4	63.3	17	10	ADC04176
163	11.4	63.3	17	10	ADC04173
164	11.4	63.3	17	10	ADC04177
165	11.4	63.3	17	10	ADC04174
166	11.4	63.3	17	10	ADI48358

Adg38827 D. immiti
Adi17389 PCR prime
Abx13108 Rat volta
Abx13114 Rat p11 P
Adn42478 Human NOV
Aah38982 SNP speci
Adk67813 Francisel
Abx69949 Novel Hel
Ade76726 Rice sequ
Adg10214 Grain var
Aal44178 Porphyra
Aaz50402 Human ang
Abx13142 Rat p11 m
Abx13135 Rat p11 P
Aaq86817 Amplifica
Adm78393 Newcastle
Adm78407 Newcastle
Ads51931 TRMU PCR
Aat32597 P. aerugi
Abx02337 HCV hamme
Adp18481 S pneumon
Adf78207 Chromosom
Adh53023 PCR prime
Adr97782 Human SNP
Ads08466 Human DNA
Acn26805 WNV minus
Aaz05580 PCR prime
Aax95012 PCR prime
Aaf55014 PCR prime
Abq92941 T. tausch
Adt01673 Novel mut
Aaf54876 PCR prime
Abs55765 Serine/Th
Ack26972 Human mic
Aaa61682 Mouse BSS
Aaq35951 IgG-bindi
Abx69545 Novel Hel
Aat98062 Erwinia c
Aaz08820 Hepatitis
Abk44215 B cell ep
Abk67442 Primer #1
Abk67509 Hepatitis
Ade10979 Chimeric
Adg46964 PCR prime
Adm83209 PCR prime
Adm40916 HBc chime
Adg64050 Recombina
Adp73630 Hepatitis
Adp73758 Influenza
Adp73653 V2 loop i
Adr12906 HBV nucle
Ads12568 PCR prime
Aaz54573 Neisseria
Aaz54961 Neisseria
Aaa81318 N. mening
Aaf21603 Neisseria
Aav27262 Sunflower
Adf50545 Mutagenic
Aat48063 Primer oT
Aac89363 Primer #4
Adg38829 D. immiti
Adq81851 Lung dise
Adp71066 Mutant hu
Aax65124 Mouse B7-
Aax65125 Mouse B7-
Aax65123 Mouse B7-
Aaq71909 HIV quant
Adc04175 Human Na/
Adc04176 Human Na/
Adc04173 Human Na/
Adc04177 Human Na/
Adc04174 Human Na/
Adi48358 Human tum

c 167	11.4	63.3	18	8	ABZ74876
168	11.4	63.3	19	10	ADC78740
c 169	11.4	63.3	20	2	AAX91395
c 170	11.4	63.3	20	4	AAS42718
171	11.4	63.3	20	6	ABK97709
172	11.4	63.3	20	6	AAL38234
c 173	11.4	63.3	20	9	ACC59350
c 174	11.4	63.3	20	10	ADG17314
c 175	11.4	63.3	21	3	AAZ69796
176	11.4	63.3	21	3	AAA93715
c 177	11.4	63.3	21	3	AAA93712
c 178	11.4	63.3	21	3	AAA93714
c 179	11.4	63.3	21	4	AAD18496
180	11.4	63.3	21	6	AAD41179
181	11.4	63.3	21	10	ADL24940
182	11.4	63.3	22	2	AAQ39258
183	11.4	63.3	22	2	AAQ56568
184	11.4	63.3	22	2	AAQ79701
185	11.4	63.3	22	2	AAQ67536
c 186	11.4	63.3	22	2	AAX09356
187	11.4	63.3	22	2	AAV35015
188	11.4	63.3	22	3	AAA27017
c 189	11.4	63.3	22	4	AAD17845
190	11.4	63.3	22	6	ABL59118
191	11.4	63.3	22	6	ABQ75853
192	11.4	63.3	23	13	ADR73998
193	11.4	63.3	24	5	AAH45917
194	11.4	63.3	24	12	ADP70004
c 195	11.4	63.3	25	3	AAC96150
196	11.4	63.3	25	4	AAD18499
197	11.4	63.3	25	9	ACI20227
198	11.4	63.3	25	10	ADC05678
199	11.4	63.3	25	10	ADC05682
200	11.4	63.3	25	10	ADC05689
201	11.4	63.3	25	10	ADC05683
202	11.4	63.3	25	10	ADC05679
203	11.4	63.3	25	10	ADC05681
204	11.4	63.3	25	10	ADC05677
205	11.4	63.3	25	10	ADC05688
206	11.4	63.3	25	10	ADC05680
207	11.4	63.3	25	10	ADC05684
208	11.4	63.3	25	10	ADC05686
209	11.4	63.3	25	10	ADC05685
210	11.4	63.3	25	10	ADC05687
c 211	11.4	63.3	26	6	AAS19425
212	11.4	63.3	27	3	AAZ62380
c 213	11.4	63.3	27	8	ABZ81021
c 214	11.4	63.3	27	13	ADR38108
c 215	11.4	63.3	27	13	ADR38121
c 216	11.4	63.3	27	13	ADR38125
c 217	11.4	63.3	27	13	ADR38126
218	11.4	63.3	29	2	AAA17775
219	11.4	63.3	29	2	AAA19295
220	11.4	63.3	29	3	AAF05840
221	11.4	63.3	29	12	ADP47690
222	11.4	63.3	29	12	ADQ60048
223	11.4	63.3	30	2	AAQ32897
224	11.4	63.3	30	6	ABX69464
c 225	11.4	63.3	30	6	ABX69761
226	11.4	63.3	30	11	ADM41030
227	11.4	63.3	31	13	ADR27808
228	11.4	63.3	33	3	AAA74818
229	11.4	63.3	33	4	AAF56641
c 230	11.4	63.3	33	8	ABZ09357
c 231	11.4	63.3	33	10	ABZ78810
232	11.4	63.3	34	2	AAT11397
233	11.4	63.3	34	2	AAT11399
234	11.4	63.3	34	2	AAT11395
235	11.4	63.3	34	2	AAV44182
236	11.4	63.3	34	2	AAV44180
237	11.4	63.3	34	2	AAV44184
c 238	11.4	63.3	35	2	AAT04399
c 239	11.4	63.3	39	9	AAL60938

Abz74876 Human car
Adc78740 Human BOR
Aax91395 Primer fo
Aas42718 T. gondii
Abk97709 Cytochrom
Aal38234 Human BH3
Acc59350 Murine MI
Adg17314 T. gondii
Aaz69796 Human bia
Aaa93715 Drosophil
Aaa93712 Drosophil
Aaa93714 Drosophil
Aad18496 A. oryzae
Aad41179 Human HGP
Adl24940 Intestina
Aaq39258 Platelet
Aaq56568 HIV epito
Aaq79701 Internal
Aaq67536 Primer us
Aax09356 Human bia
Aav35015 Human end
Aaa27017 PCR prime
Aad17845 S. gordon
Abl59118 PCR prime
Abq75853 PCR prime
Adr73998 Common pr
Aah45917 Oligonucl
Adp70004 Hair bind
Aac96150 16s rRNA
Aad18499 A. oryzae
Aci20227 Human mic
Adc05678 Human Na/
Adc05682 Human Na/
Adc05689 Human Na/
Adc05683 Human Na/
Adc05679 Human Na/
Adc05681 Human Na/
Adc05677 Human Na/
Adc05688 Human Na/
Adc05680 Human Na/
Adc05684 Human Na/
Adc05686 Human Na/
Adc05685 Human Na/
Adc05687 Human Na/
Aas19425 Human G p
Aaz62380 Hammerhea
Abz81021 Human obe
Adr38108 Siderofle
Adr38121 Siderofle
Adr38125 Siderofle
Adr38126 Siderofle
Aaa17775 Human TIE
Aaa19295 Integrin
Aaf05840 Hammerhea
Adp47690 Drill dow
Adq60048 Drill-dow
Aaq32897 Human apo
Abx69464 Novel Hel
Abx69761 Novel Hel
Adm41030 Mouse s-d
Adr27808 SOD2 gene
Aaa74818 Human IFN
Aaf56641 Human alp
Abz09357 Human oli
Abz78810 Tumour su
Aat11397 Cytochrom
Aat11399 Cytochrom
Aat11395 Cytochrom
Aav44182 Human cyt
Aav44180 Human cyt
Aav44184 Human cyt
Aat04399 Phage R40
Aal60938 Trichoder

	824	10.6	58.9	37	12	ADI33893 Adi33893 Rat neuro
	825	10.6	58.9	37	12	ADK51628 Adk51628 PCR prime
	826	10.6	58.9	37	12	ADM18110 Adm18110 Neurotens
	827	10.6	58.9	37	12	ADL82708 Adl82708 PCR prime
	828	10.6	58.9	37	12	ADM46346 Adm46346 PCR prime
c	829	10.6	58.9	38	2	AAQ11439 Aaq11439 Probe #1
c	830	10.6	58.9	38	2	AAV99405 Aav99405 Oligonucl
c	831	10.6	58.9	38	2	AAV99403 Aav99403 Oligonucl
c	832	10.6	58.9	38	12	ADH19122 Adh19122 PCR prime
	833	10.6	58.9	39	2	AAT11562 Aat11562 Murine Fa
	834	10.6	58.9	39	2	AAT80124 Aat80124 Primer CP
	835	10.6	58.9	39	2	AAT63170 Aat63170 HCV prote
c	836	10.6	58.9	39	8	ABZ69150 Abz69150 E coli is
	837	10.6	58.9	39	12	ADP85050 Adp85050 Primer us
c	838	10.6	58.9	40	2	AAQ89103 Aaq89103 Elastase
c	839	10.6	58.9	40	10	AAD62438 Aad62438 Oligo #12
	840	10.4	57.8	12	5	ABI64388 Abi64388 Oligonucl
c	841	10.4	57.8	12	5	ABH97708 Abh97708 Oligonucl
	842	10.4	57.8	13	5	ABC34508 Abc34508 Oligonucl
c	843	10.4	57.8	13	5	ABH24859 Abh24859 Oligonucl
	844	10.4	57.8	13	5	ABF28902 Abf28902 Oligonucl
	845	10.4	57.8	13	5	ABH24858 Abh24858 Oligonucl
c	846	10.4	57.8	13	5	ABC34509 Abc34509 Oligonucl
c	847	10.4	57.8	13	5	ABF28903 Abf28903 Oligonucl
c	848	10.4	57.8	15	2	AAX65122 Aax65122 Mouse B7-
c	849	10.4	57.8	15	12	ADQ30039 Adq30039 Rat VR1 e
	850	10.4	57.8	17	3	AAC73409 Aac73409 Forward p
c	851	10.4	57.8	17	8	ABT37088 Abt37088 Tumour su
c	852	10.4	57.8	17	8	ACD51059 Acd51059 HBV hamme
c	853	10.4	57.8	17	8	ACD52503 Acd52503 HBV inozy
c	854	10.4	57.8	17	9	ACA62423 Aca62423 Hepatitis
	855	10.4	57.8	17	10	ADB40011 Adb40011 Tumour su
	856	10.4	57.8	17	10	ADC04178 Adc04178 Human Na/
	857	10.4	57.8	17	10	ADC04172 Adc04172 Human Na/
c	858	10.4	57.8	17	12	ADM58996 Adm58996 Hepatitis
c	859	10.4	57.8	17	12	ADM59896 Adm59896 Hepatitis
c	860	10.4	57.8	17	12	ADM58271 Adm58271 Hepatitis
	861	10.4	57.8	18	2	AAV61418 Aav61418 Mouse Clo
c	862	10.4	57.8	18	11	ADM06727 Adm06727 Human PCR
	863	10.4	57.8	18	11	ADM77398 Adm77398 Human fib
c	864	10.4	57.8	19	2	AAX09895 Aax09895 Human bia
	865	10.4	57.8	19	2	AAX77076 Aax77076 PCR prime
c	866	10.4	57.8	19	3	AAA84541 Aaa84541 Cyclin E
c	867	10.4	57.8	19	3	AAA84542 Aaa84542 Cyclin E
c	868	10.4	57.8	19	3	AAA84540 Aaa84540 Cyclin E
c	869	10.4	57.8	19	3	AAA84543 Aaa84543 Cyclin E
c	870	10.4	57.8	19	5	AAH59703 Aah59703 Cyclin E
c	871	10.4	57.8	19	5	AAH59705 Aah59705 Cyclin E
c	872	10.4	57.8	19	5	AAH59704 Aah59704 Cyclin E
c	873	10.4	57.8	19	5	AAH59702 Aah59702 Cyclin E
c	874	10.4	57.8	19	6	ABX13095 Abx13095 Hantaviru
	875	10.4	57.8	19	9	ACH03507 Ach03507 Human lat
c	876	10.4	57.8	19	11	ADL99668 Adl99668 Hepatitis
	877	10.4	57.8	19	11	ADM00324 Adm00324 Hepatitis
	878	10.4	57.8	19	11	ADM00315 Adm00315 Hepatitis
c	879	10.4	57.8	19	11	ADL99677 Adl99677 Hepatitis
	880	10.4	57.8	19	12	ADN35066 Adn35066 Primer of
	881	10.4	57.8	19	12	ADQ27309 Adq27309 RNA inter
	882	10.4	57.8	19	13	ADR76424 Adr76424 Human apo
	883	10.4	57.8	19	13	ADR75961 Adr75961 Human apo
	884	10.4	57.8	19	13	ADR78886 Adr78886 Human apo
	885	10.4	57.8	19	13	ADR78579 Adr78579 Human apo
	886	10.4	57.8	19	13	ADR75962 Adr75962 Human apo
	887	10.4	57.8	19	13	ADR78580 Adr78580 Human apo
	888	10.4	57.8	19	13	ADR76268 Adr76268 Human apo
	889	10.4	57.8	19	13	ADR79042 Adr79042 Human apo
	890	10.4	57.8	20	2	AAT80821 Aat80821 Staphyloc
	891	10.4	57.8	20	2	AAV41945 Aav41945 Nucleotid
c	892	10.4	57.8	20	2	AAV99159 Aav99159 Antisense
	893	10.4	57.8	20	2	AAZ27507 Aaz27507 PCR prime
	894	10.4	57.8	20	2	AAX94807 Aax94807 PCR prime
	895	10.4	57.8	20	3	AAA07910 Aaa07910 Hs-UNC-53
	896	10.4	57.8	20	3	AAA51565 Aaa51565 Primer B
c	897	10.4	57.8	20	4	AAH56616 Aah56616 Streptoco
c	898	10.4	57.8	20	4	AAH56726 Aah56726 S. aureus
c	899	10.4	57.8	20	4	AAC67728 Aac67728 Oligonucl
c	900	10.4	57.8	20	4	AAD02038 Aad02038 Synthetic
	901	10.4	57.8	20	6	ABA83535 Aba83535 Human MP-
c	902	10.4	57.8	20	6	ABK99709 Abk99709 Human RAI
c	903	10.4	57.8	20	6	ABL54715 Abl54715 Lactobaci
c	904	10.4	57.8	20	8	ABT16137 Abt16137 NOVX rela
c	905	10.4	57.8	20	8	ACC44030 Acc44030 Oligo ISI
c	906	10.4	57.8	20	10	ADB79105 Adb79105 Matrix me
	907	10.4	57.8	20	10	ADG31628 Adg31628 PCR prime
c	908	10.4	57.8	20	10	ABZ88313 Abz88313 Human oli
	909	10.4	57.8	20	10	ADA26807 Ada26807 Human hai
	910	10.4	57.8	20	11	ADM64861 Adm64861 NRY polym
c	911	10.4	57.8	20	11	ABD24543 Abd24543 AI652764-
	912	10.4	57.8	20	12	ADM70155 Adm70155 Plant gen
c	913	10.4	57.8	20	12	ADO41828 Ado41828 Novel hum
	914	10.4	57.8	20	12	ADO79972 Ado79972 CENPC1 ex
c	915	10.4	57.8	20	13	ADT02073 Adt02073 Novel mut
c	916	10.4	57.8	20	13	ADT00369 Adt00369 Novel mut
c	917	10.4	57.8	20	13	ADT00940 Adt00940 Novel mut
c	918	10.4	57.8	21	2	AAQ36821 Aaq36821 Oligomer
c	919	10.4	57.8	21	2	AAT01191 Aat01191 Barbary d
	920	10.4	57.8	21	2	AAQ91700 Aaq91700 Hepatitis
c	921	10.4	57.8	21	2	AAQ94985 Aaq94985 SSP8 Olig
	922	10.4	57.8	21	2	AAV67388 Aav67388 Nucleotid
	923	10.4	57.8	21	2	AAZ25860 Aaz25860 Human pol
	924	10.4	57.8	21	3	AAZ73809 Aaz73809 Human bia
	925	10.4	57.8	21	4	AAF97278 Aaf97278 Human gen
	926	10.4	57.8	21	4	AAC60312 Aac60312 Primer #1
	927	10.4	57.8	21	5	AAS11300 Aas11300 Human ANK
	928	10.4	57.8	21	6	ABA92900 Aba92900 Human tum
	929	10.4	57.8	21	6	ABL44542 Abl44542 Human chr
c	930	10.4	57.8	21	8	ADA15938 Ada15938 Synthetic
c	931	10.4	57.8	21	9	ACH03694 Ach03694 Ear I-bas
c	932	10.4	57.8	21	10	ADF91096 Adf91096 Microorga
c	933	10.4	57.8	21	12	ADI28480 Adi28480 Human RAI
c	934	10.4	57.8	21	12	ADK17314 Adk17314 Human OCT
	935	10.4	57.8	22	2	AAV28853 Aav28853 Bovine ZF
c	936	10.4	57.8	22	3	AAA99755 Aaa99755 GUS gene
	937	10.4	57.8	22	4	AAH28650 Aah28650 Human int
c	938	10.4	57.8	22	5	AAH49578 Aah49578 Primer Bt
	939	10.4	57.8	22	10	ADC13654 Adc13654 Human NOV
c	940	10.4	57.8	22	12	ADI28482 Adi28482 Human RAI
	941	10.4	57.8	23	2	AAZ10721 Aaz10721 Reverse P
c	942	10.4	57.8	23	3	AAZ34817 Aaz34817 Cat CD86
c	943	10.4	57.8	23	3	AAZ34865 Aaz34865 Feline CD
	944	10.4	57.8	23	3	AAA99756 Aaa99756 GUS gene
c	945	10.4	57.8	23	5	AAC93144 Aac93144 Mouse COX
	946	10.4	57.8	23	6	ABK43245 Abk43245 Human HKN
c	947	10.4	57.8	23	6	AAL46872 Aal46872 Feline CD
c	948	10.4	57.8	23	6	ABK67576 Abk67576 Feline CD
c	949	10.4	57.8	23	8	ACC50053 Acc50053 Handl pro
c	950	10.4	57.8	23	10	ADF44748 Adf44748 Human NOV
c	951	10.4	57.8	23	12	ADO50933 Ado50933 Reverse P
c	952	10.4	57.8	24	2	AAQ96402 Aaq96402 Primer 15
	953	10.4	57.8	24	2	AAX80108 Aax80108 Human PRO
	954	10.4	57.8	24	3	AAA49514 Aaa49514 Primer fo
	955	10.4	57.8	24	4	AAC87015 Aac87015 PCR prime
	956	10.4	57.8	24	4	AAS44478 Aas44478 SPINK5 3'
c	957	10.4	57.8	24	4	AAD14483 Aad14483 Mouse p97
c	958	10.4	57.8	24	5	AAH55872 Aah55872 Human SCN
c	959	10.4	57.8	24	5	AAH48098 Aah48098 Phytochro
	960	10.4	57.8	24	6	ABK15374 Abk15374 Human non
	961	10.4	57.8	24	6	ABA98271 Aba98271 Primer 37
	962	10.4	57.8	24	6	ABQ08913 Abq08913 Oligonucl
	963	10.4	57.8	24	6	ABQ02496 Abq02496 Oligonucl
	964	10.4	57.8	24	6	ABQ03424 Abq03424 Oligonucl
c	965	10.4	57.8	24	6	ABQ08954 Abq08954 Oligonucl
	966	10.4	57.8	24	8	ABX96830 Abx96830 Human PRO
	967	10.4	57.8	24	8	ABX78484 Abx78484 Novel hum
	968	10.4	57.8	24	8	ACA04974 Aca04974 Novel hum
	969	10.4	57.8	24	8	ABX77118 Abx77118 Human PRO

	970	10.4	57.8	24	8	ACA92493
	971	10.4	57.8	24	8	ABX75949
	972	10.4	57.8	24	8	ACA60504
	973	10.4	57.8	24	8	ACA04494
	974	10.4	57.8	24	8	ABX89660
	975	10.4	57.8	24	8	ABX34146
	976	10.4	57.8	24	9	ACA04366
	977	10.4	57.8	24	9	ACA65635
	978	10.4	57.8	24	9	ADA47247
	979	10.4	57.8	24	9	ACD30251
	980	10.4	57.8	24	10	ADC25836
	981	10.4	57.8	24	10	ADC25594
	982	10.4	57.8	24	10	ADC25715
	983	10.4	57.8	24	10	ADH27500
	984	10.4	57.8	24	10	ADG63756
	985	10.4	57.8	24	10	ABX75502
c	986	10.4	57.8	24	10	ACC49148
	987	10.4	57.8	24	10	ACD42365
	988	10.4	57.8	24	10	ABX89493
	989	10.4	57.8	24	12	ADE41170
	990	10.4	57.8	24	12	ADE71549
	991	10.4	57.8	24	12	ADG63492
c	992	10.4	57.8	24	12	ADH13460
	993	10.4	57.8	24	12	ADG63605
	994	10.4	57.8	24	12	ADH43221
	995	10.4	57.8	24	12	ADN36446
	996	10.4	57.8	24	12	ADN00459
c	997	10.4	57.8	25	2	AAV70422
c	998	10.4	57.8	25	3	AAA68321
c	999	10.4	57.8	25	3	AAC96700
	1000	10.4	57.8	25	13	ADR54434

Aca92493 Pseudomon
Abx75949 Human PRO
Aca60504 Human sec
Aca04494 Human sec
Abx89660 Novel hum
Abx34146 Human pro
Aca04366 Human PRO
Aca65635 Human sec
Ada47247 Human sec
Acd30251 Human sec
Adc25836 Human sec
Adc25594 Human sec
Adc25715 Human sec
Adh27500 Human sec
Adg63756 Human sec
Abx75502 Human PRO
Acc49148 Human air
Acd42365 Novel hum
Abx89493 Human PRO
Ade41170 Human sec
Ade71549 Human sec
Adg63492 Human sec
Adh13460 Human mal
Adg63605 Human sec
Adh43221 Human sec
Adn36446 Forward p
Adn00459 Human sec
Aav70422 Oligonucl
Aaa68321 Bacteriop
Aac96700 HLA HLA-A
Adr54434 Drug ther

ALIGNMENTS

RESULT 1
ADD28221
ID ADD28221 standard; DNA; 18 BP.
XX
AC ADD28221;
XX
DT 15-JAN-2004 (first entry)
XX
DE E. coli-specific PCR primer #1 used in detection method.
XX
KW Escherichia coli detection; microorganism; water sample; food sample;
KW biological specimen; E. coli detection; PCR; primer; ss.
XX
OS Escherichia coli.
XX
PN US2003113731-A1.
XX
PD 19-JUN-2003.
XX
PF 19-DEC-2001; 2001US-00025137.
XX
PR 19-DEC-2001; 2001US-00025137.
XX
PA (LIUL/) LIU L.
PA (CHUN/) CHUNG T.
PA (TERN/) TERNG H.
XX
PI Liu L, Chung T, Terng H;
XX
DR WPI; 2003-810889/76.
XX
PT Detecting Escherichia coli in water sample, food sample or biological
PT sample by amplifying the nucleic acid from the microorganism, and
PT detecting the amplification product.
XX
PS Claim 1; Page 1; 9pp; English.
XX
CC The present invention relates to a method for detecting Escherichia coli.
CC The method involves providing a sample having a nucleic acid from an
CC unknown microorganism, amplifying the nucleic acid with an upstream
CC primer and a down stream primer, each primer being 18-40 nucleotides in
CC length and detecting an amplification product, where detection of the
CC amplification product indicates the presence of E. coli. The invention
CC also discloses E. coli-specific probes. The method of the invention is
CC useful for detecting E. coli in water samples, food samples or biological
CC specimens such as a specimen from a patient. The method is a fast,
CC accurate, and sensitive method for E. coli detection. The present
CC sequence represents an E. coli-specific PCR primer used in the method of
CC the invention.
XX
SQ Sequence 18 BP; 8 A; 3 C; 5 G; 2 T; 0 U; 0 Other;

Query Match 100.0%; Score 18; DB 10; Length 18;
Best Local Similarity 100.0%; Pred. No. 41;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CGCAAGCTGAAAAAGTAG 18
||||||||||||||||||
Db 1 CGCAAGCTGAAAAAGTAG 18

RESULT 2
ADD28212
ID ADD28212 standard; DNA; 24 BP.
XX
AC ADD28212;
XX
DT 15-JAN-2004 (first entry)
XX
DE E. coli-specific PCR primer #3 used in detection method.
XX
KW Escherichia coli detection; microorganism; water sample; food sample;
KW biological specimen; E. coli detection; PCR; primer; ss.
XX
OS Escherichia coli.
XX
PN US2003113731-A1.
XX
PD 19-JUN-2003.
XX
PF 19-DEC-2001; 2001US-00025137.
XX
PR 19-DEC-2001; 2001US-00025137.
XX
PA (LIUL/) LIU L.
PA (CHUN/) CHUNG T.
PA (TERN/) TERNG H.
XX
PI Liu L, Chung T, Terng H;
XX
DR WPI; 2003-810889/76.
XX
PT Detecting Escherichia coli in water sample, food sample or biological
PT sample by amplifying the nucleic acid from the microorganism, and
PT detecting the amplification product.
XX
PS Claim 1; Page 1; 9pp; English.
XX
CC The present invention relates to a method for detecting Escherichia coli.
CC The method involves providing a sample having a nucleic acid from an
CC unknown microorganism, amplifying the nucleic acid with an upstream
CC primer and a down stream primer, each primer being 18-40 nucleotides in
CC length and detecting an amplification product, where detection of the
CC amplification product indicates the presence of E. coli. The invention
CC also discloses E. coli-specific probes. The method of the invention is
CC useful for detecting E. coli in water samples, food samples or biological
CC specimens such as a specimen from a patient. The method is a fast,
CC accurate, and sensitive method for E. coli detection. The present
CC sequence represents an E. coli-specific PCR primer used in the method of
CC the invention.

```
XX
SQ   Sequence 24 BP; 10 A; 3 C; 7 G; 4 T; 0 U; 0 Other;

  Query Match             100.0%;  Score 18;  DB 10;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 42;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CGCAAGCTGAAAAAGTAG 18
              ||||||||||||||||||
Db          7 CGCAAGCTGAAAAAGTAG 24


RESULT 3
ADR23449
ID   ADR23449 standard; DNA; 24 BP.
XX
AC   ADR23449;
XX
DT   04-NOV-2004  (first entry)
XX
DE   PCR primer N1 for detecting E coli by novel detection method.
XX
KW   ss; primer; assay; pathogen; hybridization; Staphylococcus;
KW   Escherichia coli; Salmonella; food; cosmetic; pharmaceuticals;
KW   PCR primer.
XX
OS   Escherichia coli.
XX
PN   EP1447454-A1.
XX
PD   18-AUG-2004.
XX
PF   14-FEB-2003; 2003EP-00003407.
XX
PR   14-FEB-2003; 2003EP-00003407.
XX
PA   (CHIP-) CHIP BIOTECHNOLOGY INC.
XX
PI   Lin C,  Chen C,  Chen M,  Huang M;
XX
DR   WPI; 2004-595623/58.
XX
PT   Determining pathogen in sample e.g. food, by amplifying sample nucleic
PT   acid using pathogen-specific primers, transferring amplified sequence to
PT   carrier having sequence complementary to target sequence and detecting
PT   hybridization pattern.
XX
PS   Disclosure; SEQ ID NO 1; 21pp; English.
XX
CC   The invention relates to an assay (M1) for determining presence/absence
CC   of pathogen in sample by specifically amplifying a target nucleic acid
CC   obtained from sample using pathogen-specific primers, transferring
CC   amplified sequence to a carrier that contains on its pre-selected
CC   locations a sequence complementary to amplified sequence and detecting
CC   hybridization at any locations, where pattern of detected hybridization
CC   signals is indicative of presence/absence of given pathogen. (M1) is
CC   useful for determining in a sample, the presence or absence of a pathogen
CC   chosen from the genus Staphylococcus, Escherichia coli and Salmonella, in
CC   a product material such as food, cosmetics or pharmaceuticals. This
CC   sequence represents a PCR primer used in the method to detect an
CC   Escherichia coli organism.
XX
SQ   Sequence 24 BP; 10 A; 3 C; 7 G; 4 T; 0 U; 0 Other;

  Query Match             100.0%;  Score 18;  DB 13;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 42;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 CGCAAGCTGAAAAAGTAG 18
              ||||||||||||||||||
Db          7 CGCAAGCTGAAAAAGTAG 24


RESULT 4
ADJ46666
ID   ADJ46666 standard; DNA; 27 BP.
XX
AC   ADJ46666;
XX
DT   06-MAY-2004  (first entry)
XX
DE   Lactobacillus crispatus S-layer gene (CbsA) PCR primer #2.
XX
KW   mucosal surface colonising bacteria; vagina; gastrointestinal tract;
KW   signal sequence; cell wall anchoring signal sequence; pathogen infection;
KW   bacterial infection; viral infection; fungal infection; PCR; primer; ss;
KW   S-layer gene; CbsA.
XX
OS   Lactobacillus crispatus.
XX
PN   US2003228297-A1.
XX
PD   11-DEC-2003.
XX
PF   06-MAR-2003; 2003US-00383834.
XX
PR   08-MAR-2002; 2002US-0362945P.
XX
PA   (OSEL-) OSEL INC.
XX
PI   Chang C,  Simpson DA,  Chang TL,  Xu Q,  Lewicki JA;
XX
DR   WPI; 2004-052009/05.
XX
PT   New mucosal surface colonizing Lactobacillus jensenii bacteria
PT   recombinantly altered to express a biologically active protein, useful
PT   for preventing or treating bacterial, viral or fungal infections.
XX
PS   Example; Page 10; 22pp; English.
XX
CC   The invention comprises a mucosal surface (e.g. vagina or
CC   gastrointestinal tract) colonising Lactobacillus jensenii bacteria which
CC   has been recombinantly altered to express a biologically active protein
CC   (e.g. a signal sequence or cell wall anchoring signal sequence). The
CC   bacteria of the invention is useful for preventing or treating pathogen
CC   infection (e.g. bacterial, viral or fungal infection). The present DNA
CC   sequence represents a PCR primer that was used in an example of the
CC   invention.
XX
SQ   Sequence 27 BP; 10 A; 7 C; 7 G; 3 T; 0 U; 0 Other;

  Query Match             76.7%;  Score 13.8;  DB 12;  Length 27;
  Best Local Similarity   88.2%;  Pred. No. 4.9e+03;
  Matches   15;  Conservative    0;  Mismatches    2;  Indels    0;  Gaps    0;

Qy          2 GCAAGCTGAAAAAGTAG 18
              || |||||||| |||||
Db          4 GCTAGCTGAAACAGTAG 20


RESULT 5
ADJ46674
ID   ADJ46674 standard; DNA; 27 BP.
XX
AC   ADJ46674;
XX
DT   06-MAY-2004  (first entry)
XX
DE   Lactobacillus crispatus S-layer gene expression cassette PCR primer #8.
XX
KW   mucosal surface colonising bacteria; vagina; gastrointestinal tract;
KW   signal sequence; cell wall anchoring signal sequence; pathogen infection;
KW   bacterial infection; viral infection; fungal infection; PCR; primer; ss;
KW   S-layer gene; CbsA; expression cassette.
XX
OS   Lactobacillus crispatus.
```

XX
PN US2003228297-A1.
XX
PD 11-DEC-2003.
XX
PF 06-MAR-2003; 2003US-00383834.
XX
PR 08-MAR-2002; 2002US-0362945P.
XX
PA (OSEL-) OSEL INC.
XX
PI Chang C, Simpson DA, Chang TL, Xu Q, Lewicki JA;
XX
DR WPI; 2004-052009/05.
XX
PT New mucosal surface colonizing Lactobacillus jensenii bacteria
PT recombinantly altered to express a biologically active protein, useful
PT for preventing or treating bacterial, viral or fungal infections.
XX
PS Example; Page 11; 22pp; English.
XX
CC The invention comprises a mucosal surface (e.g. vagina or
CC gastrointestinal tract) colonising Lactobacillus jensenii bacteria which
CC has been recombinantly altered to express a biologically active protein
CC (e.g. a signal sequence or cell wall anchoring signal sequence). The
CC bacteria of the invention is useful for preventing or treating pathogen
CC infection (e.g. bacterial, viral or fungal infection). The present DNA
CC sequence represents a PCR primer that was used to create an expression
CC cassette that contained a region of the Lactobacillus crispatus S-layer
CC gene (CbsA).
XX
SQ Sequence 27 BP; 10 A; 7 C; 7 G; 3 T; 0 U; 0 Other;

Query Match 76.7%; Score 13.8; DB 12; Length 27;
Best Local Similarity 88.2%; Pred. No. 4.9e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 GCAAGCTGAAAAAGTAG 18
|| |||||||| |||||
Db 4 GCTAGCTGAAACAGTAG 20

RESULT 6
ACA89964
ID ACA89964 standard; DNA; 28 BP.
XX
AC ACA89964;
XX
DT 10-JUL-2003 (first entry)
XX
DE Cardiovascular disease differential gene expression related primer #11.
XX
KW Cardiovascular disease; arteriosclerosis; ischaemia; angina pectoris;
KW myocardial infarction; cardiant; antiarteriosclerotic; antianginal;
KW gene therapy; differential gene expression; PCR; primer; ss.
XX
OS Homo sapiens.
XX
PN WO2003031650-A2.
XX
PD 17-APR-2003.
XX
PF 02-OCT-2002; 2002WO-EP011034.
XX
PR 08-OCT-2001; 2001GB-00024145.
XX
PA (FARB) BAYER AG.
XX
PI Munnes M, Gehrmann M, Wick M, Schmitz G;
XX
DR WPI; 2003-403108/38.
XX
PT Predicting, diagnosing or prognosing a cardiovascular disease, e.g.
PT angina, ischemia, myocardial infarction or arteriosclerosis by detection
PT of a polynucleotide in a biological sample comprises detecting a
PT hybridization complex.
XX
PS Example 3; Page 103; 454pp; English.
XX
CC The invention describes a method of predicting, diagnosing or prognosing
CC a cardiovascular disease by detection of a polynucleotide in a biological
CC sample comprises hybridising at least one of the polynucleotide to a
CC nucleic acid material of a biological sample, thus forming a
CC hybridisation complex, and detecting the hybridisation complex. The
CC polynucleotides, polypeptides, antisense molecule, antibody and reagent
CC are useful for preparing compositions for preventing, predicting or
CC diagnosing, or a medicament for treating a cardiovascular disease, e.g.
CC arteriosclerosis, ischaemia, angina pectoris, or myocardial infarction.
CC This sequence represents a primer used to identify genes differentially
CC regulated in individuals with cardiovascular disease
XX
SQ Sequence 28 BP; 10 A; 3 C; 7 G; 8 T; 0 U; 0 Other;

Query Match 76.7%; Score 13.8; DB 8; Length 28;
Best Local Similarity 88.2%; Pred. No. 5e+03;
Matches 15; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 2 GCAAGCTGAAAAAGTAG 18
| |||||| ||||||||
Db 11 GGAAGCTGTAAAAGTAG 27

RESULT 7
ADM82143
ID ADM82143 standard; DNA; 30 BP.
XX
AC ADM82143;
XX
DT 17-JUN-2004 (first entry)
XX
DE Phospho-imidazolide oligonucleotide.
XX
KW ss; phosphodiesterase hydrolysis; phosphodiesterification; acceptor;
KW donor; anti-parallel configuration; cardiovascular; haemostatic;
KW cytostatic; antidiabetic; tranquiliser; vulnerary; ophthalmological;
KW anorectic; antiinflammatory; hypertension; blood disease; cancer;
KW diabetes; neural disease; trauma; metabolic disease;
KW ophthalmological disease; obesity; rheumatologic disease;
KW inflammatory disease.
XX
OS Synthetic.
XX
FH Key Location/Qualifiers
FT modified_base 1
FT /*tag= a
FT /mod_base= OTHER
FT /note= "attached phosphate group"
XX
PN US2004063922-A1.
XX
PD 01-APR-2004.
XX
PF 21-JUL-2003; 2003US-00391415.
XX
PR 17-APR-2001; 2001US-00836126.
PR 17-APR-2001; 2001US-00836136.
PR 17-APR-2001; 2001US-00836358.
PR 17-APR-2001; 2001US-00836366.
PR 17-APR-2001; 2001US-00836608.
XX
PA (CONR/) CONRAD C A.
XX
PI Conrad CA;
XX
DR WPI; 2004-282525/26.
XX

GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: April 15, 2005, 19:39:05 ; Search time 635.571 Seconds
(without alignments)
1372.299 Million cell updates/sec

Title: US-10-025-137B-2
Perfect score: 18
Sequence: 1 ttaggtgtattgattgtg 18

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 4708233 seqs, 24227607955 residues

Total number of hits satisfying chosen parameters: 1692386

Minimum DB seq length: 0
Maximum DB seq length: 40

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database : GenEmbl:*
1: gb_ba:*
2: gb_htg:*
3: gb_in:*
4: gb_om:*
5: gb_ov:*
6: gb_pat:*
7: gb_ph:*
8: gb_pl:*
9: gb_pr:*
10: gb_ro:*
11: gb_sts:*
12: gb_sy:*
13: gb_un:*
14: gb_vi:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	18	100.0	18	6	AX781564	AX781564 Sequence
	2	18	100.0	24	6	CQ849464	CQ849464 Sequence
	3	18	100.0	24	6	AX781566	AX781566 Sequence
c	4	13.2	73.3	23	6	AR360381	AR360381 Sequence
c	5	13	72.2	18	6	AR222910	AR222910 Sequence
	6	13	72.2	24	6	AX493465	AX493465 Sequence
c	7	12.8	71.1	23	6	BD227562	BD227562 Assay usi
c	8	12.8	71.1	23	6	AR476268	AR476268 Sequence
c	9	12.8	71.1	30	6	AR077011	AR077011 Sequence
c	10	12.8	71.1	30	6	AR099821	AR099821 Sequence
c	11	12.8	71.1	30	6	AR142233	AR142233 Sequence
c	12	12.8	71.1	30	6	I34494	I34494 Sequence 3
c	13	12.8	71.1	30	6	I57329	I57329 Sequence 3
c	14	12.8	71.1	30	6	I73207	I73207 Sequence 3
	15	12.8	71.1	31	6	AX249714	AX249714 Sequence
c	16	12.8	71.1	36	10	MMU299469	AJ299469 Mus muscu
c	17	12.4	68.9	17	6	AX737871	AX737871 Sequence
	18	12.4	68.9	19	6	AR292542	AR292542 Sequence
	19	12.4	68.9	24	6	BD139743	BD139743 Gene fami
	20	12.4	68.9	24	6	BD263211	BD263211 Method of
c	21	12.4	68.9	24	6	CQ828506	CQ828506 Sequence
	22	12.4	68.9	24	6	AX539075	AX539075 Sequence
	23	12.4	68.9	30	6	BD141450	BD141450 Method fo
c	24	12.4	68.9	30	6	CQ856909	CQ856909 Sequence
c	25	12.4	68.9	30	6	AX791959	AX791959 Sequence
	26	12.4	68.9	30	6	AX793948	AX793948 Sequence
	27	12.2	67.8	17	6	AX693363	AX693363 Sequence
c	28	12.2	67.8	19	6	AR294324	AR294324 Sequence
c	29	12.2	67.8	22	6	AX466815	AX466815 Sequence
c	30	12.2	67.8	22	6	AX592203	AX592203 Sequence
c	31	12.2	67.8	22	6	AX805848	AX805848 Sequence
	32	12.2	67.8	24	6	AX493195	AX493195 Sequence
c	33	12.2	67.8	25	6	AR349085	AR349085 Sequence
	34	12.2	67.8	25	6	AR349086	AR349086 Sequence
c	35	12.2	67.8	25	6	AR349087	AR349087 Sequence
	36	12.2	67.8	25	6	AR349088	AR349088 Sequence
	37	12.2	67.8	25	6	AX693936	AX693936 Sequence
	38	12.2	67.8	25	6	AX693937	AX693937 Sequence
	39	12.2	67.8	25	6	AX693938	AX693938 Sequence
	40	12.2	67.8	25	6	AX693939	AX693939 Sequence
	41	12.2	67.8	25	6	AX693940	AX693940 Sequence
	42	12.2	67.8	25	6	AX693941	AX693941 Sequence
	43	12.2	67.8	25	6	AX693942	AX693942 Sequence
	44	12.2	67.8	25	6	AX693943	AX693943 Sequence
	45	12.2	67.8	25	6	AX693944	AX693944 Sequence
	46	12.2	67.8	27	6	AR349069	AR349069 Sequence
c	47	12.2	67.8	27	6	AR349070	AR349070 Sequence
	48	12.2	67.8	27	6	AR349071	AR349071 Sequence
c	49	12.2	67.8	27	6	AR349072	AR349072 Sequence
c	50	12.2	67.8	29	6	AR016355	AR016355 Sequence
c	51	12.2	67.8	29	6	I59979	I59979 Sequence 34
c	52	12.2	67.8	29	6	I86060	I86060 Sequence 34
	53	12.2	67.8	30	6	AX790842	AX790842 Sequence
	54	12.2	67.8	32	6	AR236231	AR236231 Sequence
	55	11.8	65.6	18	6	AX599354	AX599354 Sequence
	56	11.8	65.6	18	6	AX705478	AX705478 Sequence
c	57	11.8	65.6	18	6	AX705480	AX705480 Sequence
	58	11.8	65.6	18	6	AX822720	AX822720 Sequence
	59	11.8	65.6	18	6	AX826360	AX826360 Sequence
c	60	11.8	65.6	21	6	CQ876321	CQ876321 Sequence
	61	11.8	65.6	24	6	AX493292	AX493292 Sequence
	62	11.8	65.6	24	6	AX493751	AX493751 Sequence
	63	11.8	65.6	24	6	AX494023	AX494023 Sequence
	64	11.8	65.6	26	6	AX055459	AX055459 Sequence
	65	11.8	65.6	26	6	AX697024	AX697024 Sequence
c	66	11.8	65.6	33	6	I86631	I86631 Sequence 10
c	67	11.6	64.4	20	6	AR073912	AR073912 Sequence
c	68	11.6	64.4	20	6	AR176056	AR176056 Sequence
c	69	11.6	64.4	21	6	AR161455	AR161455 Sequence
	70	11.6	64.4	23	6	A33392	A33392 Synthetic g
	71	11.6	64.4	24	6	CQ875843	CQ875843 Sequence
c	72	11.6	64.4	24	6	AX487785	AX487785 Sequence
c	73	11.6	64.4	26	6	AX254759	AX254759 Sequence
c	74	11.6	64.4	26	6	AX403834	AX403834 Sequence
c	75	11.6	64.4	30	6	AX793458	AX793458 Sequence
c	76	11.6	64.4	33	6	AX024149	AX024149 Sequence
	77	11.6	64.4	36	6	AR241742	AR241742 Sequence
	78	11.6	64.4	37	6	AR535418	AR535418 Sequence
	79	11.6	64.4	37	6	AX093423	AX093423 Sequence
	80	11.6	64.4	37	6	AX361084	AX361084 Sequence
c	81	11.4	63.3	17	6	AX730973	AX730973 Sequence
	82	11.4	63.3	19	6	AR252919	AR252919 Sequence
	83	11.4	63.3	20	6	AR314782	AR314782 Sequence
	84	11.4	63.3	20	6	AR314785	AR314785 Sequence
c	85	11.4	63.3	20	6	AX811418	AX811418 Sequence
c	86	11.4	63.3	24	6	AX329454	AX329454 Sequence
	87	11.4	63.3	24	6	AX493135	AX493135 Sequence
	88	11.4	63.3	24	6	AX538985	AX538985 Sequence
	89	11.4	63.3	26	6	AR404653	AR404653 Sequence
	90	11.4	63.3	26	6	AX029295	AX029295 Sequence
	91	11.4	63.3	26	6	BD085089	BD085089 Polypheno
	92	11.4	63.3	27	6	AR191366	AR191366 Sequence

c	93	11.4	63.3	27	6	BD107087
c	94	11.4	63.3	30	6	A42226
c	95	11.4	63.3	30	6	A84045
c	96	11.4	63.3	30	6	AX806296
c	97	11.4	63.3	30	6	BD072722
c	98	11.4	63.3	35	11	BX294242
c	99	11.4	63.3	36	6	A84051
c	100	11.4	63.3	36	6	A84063
c	101	11.4	63.3	36	6	BD072728
c	102	11.4	63.3	36	6	BD072740
	103	11.4	63.3	38	6	AR058007
	104	11.4	63.3	38	6	AR115765
	105	11.4	63.3	38	6	AR333310
	106	11.4	63.3	38	6	AX635066
c	107	11.2	62.2	17	6	AX325325
	108	11.2	62.2	17	6	AX325326
	109	11.2	62.2	17	6	AX693362
	110	11.2	62.2	17	6	AX693364
c	111	11.2	62.2	18	6	AX114492
	112	11.2	62.2	18	6	AX599640
c	113	11.2	62.2	20	6	A84056
c	114	11.2	62.2	20	6	AR084226
	115	11.2	62.2	20	6	CQ755481
c	116	11.2	62.2	20	6	I90369
c	117	11.2	62.2	20	6	AR215725
	118	11.2	62.2	20	6	AR259059
c	119	11.2	62.2	20	6	AR474231
	120	11.2	62.2	20	6	AX958838
c	121	11.2	62.2	20	6	BD072733
	122	11.2	62.2	22	6	A25683
	123	11.2	62.2	22	8	ATH527074
	124	11.2	62.2	22	8	ATH527136
c	125	11.2	62.2	23	6	AR258329
c	126	11.2	62.2	23	6	AR565604
	127	11.2	62.2	23	6	AX652086
c	128	11.2	62.2	23	12	AB086576
c	129	11.2	62.2	24	6	E05480
	130	11.2	62.2	24	6	AX493738
c	131	11.2	62.2	25	6	AX116632
	132	11.2	62.2	25	6	AX693935
	133	11.2	62.2	25	6	AX693945
c	134	11.2	62.2	26	6	AR162009
	135	11.2	62.2	26	6	BD269001
	136	11.2	62.2	26	6	AR429389
	137	11.2	62.2	26	6	AX039828
c	138	11.2	62.2	27	6	AX148232
	139	11.2	62.2	28	6	AR048743
c	140	11.2	62.2	28	6	AR090635
c	141	11.2	62.2	28	6	AR197670
c	142	11.2	62.2	28	6	AR259824
	143	11.2	62.2	30	6	AR099261
c	144	11.2	62.2	30	6	E43790
	145	11.2	62.2	30	6	I14132
c	146	11.2	62.2	30	6	AR264849
	147	11.2	62.2	30	6	AR542623
c	148	11.2	62.2	30	6	AX611127
c	149	11.2	62.2	30	6	AX814373
c	150	11.2	62.2	30	6	AX814485
c	151	11.2	62.2	33	6	A20616
	152	11.2	62.2	33	6	A20617
c	153	11.2	62.2	33	6	A29802
	154	11.2	62.2	33	6	A29803
c	155	11.2	62.2	33	6	AR004387
c	156	11.2	62.2	33	6	AR097179
c	157	11.2	62.2	33	6	AR130677
c	158	11.2	62.2	33	6	AR172026
c	159	11.2	62.2	33	6	BD189143
c	160	11.2	62.2	33	6	BD189290
c	161	11.2	62.2	33	6	BD189437
c	162	11.2	62.2	33	6	I65562
	163	11.2	62.2	33	6	I65563
c	164	11.2	62.2	33	6	I82862
	165	11.2	62.2	33	6	AR368971

BD107087 Base sequ
A42226 Sequence 14
A84045 Sequence 32
AX806296 Sequence
BD072722 Gene conv
BX294242 Arabidops
A84051 Sequence 38
A84063 Sequence 50
BD072728 Gene conv
BD072740 Gene conv
AR058007 Sequence
AR115765 Sequence
AR333310 Sequence
AX635066 Sequence
AX325325 Sequence
AX325326 Sequence
AX693362 Sequence
AX693364 Sequence
AX114492 Sequence
AX599640 Sequence
A84056 Sequence 43
AR084226 Sequence
CQ755481 Sequence
I90369 Sequence 13
AR215725 Sequence
AR259059 Sequence
AR474231 Sequence
AX958838 Sequence
BD072733 Gene conv
A25683 Primer B fo
AJ527074 Arabidops
AJ527136 Arabidops
AR258329 Sequence
AR565604 Sequence
AX652086 Sequence
AB086576 Synthetic
E05480 PCR primer.
AX493738 Sequence
AX116632 Sequence
AX693935 Sequence
AX693945 Sequence
AR162009 Sequence
BD269001 Banana pr
AR429389 Sequence
AX039828 Sequence
AX148232 Sequence
AR048743 Sequence
AR090635 Sequence
AR197670 Sequence
AR259824 Sequence
AR099261 Sequence
E43790 Method for
I14132 Sequence 6
AR264849 Sequence
AR542623 Sequence
AX611127 Sequence
AX814373 Sequence
AX814485 Sequence
A20616 oligonucleo
A20617 oligonucleo
A29802 HIN-NCO lin
A29803 HIN-NCO lin
AR004387 Sequence
AR097179 Sequence
AR130677 Sequence
AR172026 Sequence
BD189143 HCV Genom
BD189290 HCV Genom
BD189437 HCV Genom
I65562 Sequence 14
I65563 Sequence 15
I82862 Sequence 41
AR368971 Sequence

	166	11.2	62.2	33	6	BD011003
	167	11.2	62.2	35	6	BD264264
c	168	11.2	62.2	35	6	E22036
	169	11.2	62.2	36	6	AR120376
	170	11.2	62.2	36	6	AR341067
	171	11.2	62.2	36	6	BD063385
	172	11.2	62.2	38	6	I14136
c	173	11.2	62.2	40	6	AR142030
c	174	11.2	62.2	40	6	I59897
c	175	11.2	62.2	40	6	I68066
c	176	11.2	62.2	40	6	I86755
c	177	11.2	62.2	40	6	I95780
	178	11	61.1	18	6	BD168585
	179	11	61.1	24	6	A61426
	180	11	61.1	24	6	AR343457
c	181	11	61.1	30	6	AX791888
	182	11	61.1	31	6	AX236820
	183	10.8	60.0	17	6	CQ808548
c	184	10.8	60.0	17	6	AX671764
c	185	10.8	60.0	17	6	AX671781
	186	10.8	60.0	17	6	AX693365
	187	10.8	60.0	17	6	AX693366
	188	10.8	60.0	17	6	AX723547
c	189	10.8	60.0	17	6	AX735472
c	190	10.8	60.0	17	6	AX739197
	191	10.8	60.0	18	6	BD185918
	192	10.8	60.0	18	6	CQ808042
	193	10.8	60.0	19	6	CQ807772
	194	10.8	60.0	19	6	AR292800
c	195	10.8	60.0	19	6	AX378423
c	196	10.8	60.0	20	6	AR160727
c	197	10.8	60.0	20	6	CQ769259
c	198	10.8	60.0	20	6	CQ769263
c	199	10.8	60.0	20	6	AX026527
	200	10.8	60.0	21	6	BD227430
	201	10.8	60.0	21	12	ASE287232
c	202	10.8	60.0	22	6	AR233548
	203	10.8	60.0	24	6	AX493165
	204	10.8	60.0	24	6	AX493866
	205	10.8	60.0	24	6	AX539039
	206	10.8	60.0	24	6	AX539082
c	207	10.8	60.0	24	6	AX543961
c	208	10.8	60.0	24	10	MMBR106
c	209	10.8	60.0	25	6	BD245730
	210	10.8	60.0	25	6	CQ863154
c	211	10.8	60.0	25	6	CQ865832
	212	10.8	60.0	25	6	AX370554
	213	10.8	60.0	25	6	AX693946
	214	10.8	60.0	25	6	AX693947
c	215	10.8	60.0	25	6	AX828685
c	216	10.8	60.0	29	6	CQ881844
c	217	10.8	60.0	30	6	BD270669
c	218	10.8	60.0	30	6	AX043787
	219	10.8	60.0	30	6	AX793531
c	220	10.8	60.0	30	6	AX793549
	221	10.8	60.0	31	6	AX248722
	222	10.8	60.0	32	6	A80767
	223	10.8	60.0	32	6	AX022731
c	224	10.8	60.0	33	6	CQ797686
	225	10.8	60.0	34	6	AR084470
	226	10.8	60.0	34	6	AR172369
	227	10.8	60.0	34	6	AX576931
	228	10.8	60.0	36	6	A19422
c	229	10.8	60.0	36	6	A19423
	230	10.8	60.0	36	6	I13444
c	231	10.8	60.0	36	6	I13445
	232	10.8	60.0	36	6	AR195163
c	233	10.8	60.0	36	6	AR195164
c	234	10.8	60.0	37	6	E08768
c	235	10.8	60.0	37	6	E09906
c	236	10.8	60.0	37	6	I83593
c	237	10.8	60.0	39	6	AX840531
c	238	10.6	58.9	17	6	AX579847

BD011003 HIV probe
BD264264 Streptoco
E22036 Seven-pass
AR120376 Sequence
AR341067 Sequence
BD063385 Streptoco
I14136 Sequence 10
AR142030 Sequence
I59897 Sequence 24
I68066 Sequence 4
I86755 Sequence 24
I95780 Sequence 24
BD168585 Farnesyl
A61426 Sequence 20
AR343457 Sequence
AX791888 Sequence
AX236820 Sequence
CQ808548 Sequence
AX671764 Sequence
AX671781 Sequence
AX693365 Sequence
AX693366 Sequence
AX723547 Sequence
AX735472 Sequence
AX739197 Sequence
BD185918 A stabili
CQ808042 Sequence
CQ807772 Sequence
AR292800 Sequence
AX378423 Sequence
AR160727 Sequence
CQ769259 Sequence
CQ769263 Sequence
AX026527 Sequence
BD227430 Ehrlichia
AJ287232 Artificia
AR233548 Sequence
AX493165 Sequence
AX493866 Sequence
AX539039 Sequence
AX539082 Sequence
AX543961 Sequence
X94847 M.musculus
BD245730 Developme
CQ863154 Sequence
CQ865832 Sequence
AX370554 Sequence
AX693946 Sequence
AX693947 Sequence
AX828685 Sequence
CQ881844 Sequence
BD270669 Gene sequ
AX043787 Sequence
AX793531 Sequence
AX793549 Sequence
AX248722 Sequence
A80767 Sequence 22
AX022731 Sequence
CQ797686 Sequence
AR084470 Sequence
AR172369 Sequence
AX576931 Sequence
A19422 oligonucleo
A19423 oligonucleo
I13444 Sequence 47
I13445 Sequence 48
AR195163 Sequence
AR195164 Sequence
E08768 DNA primer
E09906 Primer. 9/1
I83593 Sequence 4
AX840531 Sequence
AX579847 Sequence

	823	9.8	54.4	20	6	AX599194 AX599194 Sequence
c	824	9.8	54.4	20	6	AX937756 AX937756 Sequence
	825	9.8	54.4	21	6	AR108181 AR108181 Sequence
	826	9.8	54.4	21	6	AR148631 AR148631 Sequence
c	827	9.8	54.4	21	6	BD229963 BD229963 Method an
	828	9.8	54.4	21	6	AR206682 AR206682 Sequence
	829	9.8	54.4	21	6	AR212817 AR212817 Sequence
	830	9.8	54.4	21	6	AR296975 AR296975 Sequence
	831	9.8	54.4	21	6	AR477064 AR477064 Sequence
c	832	9.8	54.4	21	6	AR477065 AR477065 Sequence
c	833	9.8	54.4	21	6	AX076112 AX076112 Sequence
	834	9.8	54.4	21	6	AX191772 AX191772 Sequence
c	835	9.8	54.4	21	6	AX539516 AX539516 Sequence
	836	9.8	54.4	21	6	AX539517 AX539517 Sequence
c	837	9.8	54.4	21	6	AX706596 AX706596 Sequence
	838	9.8	54.4	21	6	AX706597 AX706597 Sequence
c	839	9.8	54.4	21	6	AX707526 AX707526 Sequence
	840	9.8	54.4	21	6	AX707527 AX707527 Sequence
c	841	9.8	54.4	21	6	AX711903 AX711903 Sequence
c	842	9.8	54.4	22	6	A51395 A51395 Sequence 11
c	843	9.8	54.4	22	6	BD161895 BD161895 Nonhuman
c	844	9.8	54.4	22	6	CQ807398 CQ807398 Sequence
	845	9.8	54.4	22	6	AR381403 AR381403 Sequence
c	846	9.8	54.4	22	6	AX796022 AX796022 Sequence
c	847	9.8	54.4	23	6	AR049795 AR049795 Sequence
	848	9.8	54.4	23	6	AR089506 AR089506 Sequence
c	849	9.8	54.4	23	6	AR149689 AR149689 Sequence
c	850	9.8	54.4	23	6	E38248 E38248 Hyperthermo
c	851	9.8	54.4	23	6	E50825 E50825 Hyperthermo
c	852	9.8	54.4	23	6	AR404818 AR404818 Sequence
	853	9.8	54.4	23	6	AX487565 AX487565 Sequence
	854	9.8	54.4	23	6	AX658498 AX658498 Sequence
	855	9.8	54.4	23	6	BD022953 BD022953 Species-s
c	856	9.8	54.4	24	6	AR049948 AR049948 Sequence
c	857	9.8	54.4	24	6	AR099634 AR099634 Sequence
	858	9.8	54.4	24	6	AR142627 AR142627 Sequence
	859	9.8	54.4	24	6	CQ787539 CQ787539 Sequence
c	860	9.8	54.4	24	6	E23742 E23742 Immortalize
c	861	9.8	54.4	24	6	I34528 I34528 Sequence 16
c	862	9.8	54.4	24	6	I39798 I39798 Sequence 16
	863	9.8	54.4	24	6	AR179900 AR179900 Sequence
	864	9.8	54.4	24	6	AR182273 AR182273 Sequence
	865	9.8	54.4	24	6	AR371877 AR371877 Sequence
c	866	9.8	54.4	24	6	AX110882 AX110882 Sequence
	867	9.8	54.4	24	6	AX119424 AX119424 Sequence
c	868	9.8	54.4	24	6	AX288374 AX288374 Sequence
	869	9.8	54.4	24	6	AX444513 AX444513 Sequence
	870	9.8	54.4	24	6	AX493060 AX493060 Sequence
	871	9.8	54.4	24	6	AX493083 AX493083 Sequence
	872	9.8	54.4	24	6	AX493093 AX493093 Sequence
	873	9.8	54.4	24	6	AX493667 AX493667 Sequence
	874	9.8	54.4	24	6	AX493795 AX493795 Sequence
	875	9.8	54.4	24	6	AX493886 AX493886 Sequence
	876	9.8	54.4	24	6	AX599065 AX599065 Sequence
c	877	9.8	54.4	24	6	AX613433 AX613433 Sequence
	878	9.8	54.4	24	6	AX767611 AX767611 Sequence
	879	9.8	54.4	24	6	AX795979 AX795979 Sequence
	880	9.8	54.4	24	6	AX804098 AX804098 Sequence
	881	9.8	54.4	24	6	AX822511 AX822511 Sequence
	882	9.8	54.4	24	6	AX826151 AX826151 Sequence
c	883	9.8	54.4	24	6	AX956518 AX956518 Sequence
	884	9.8	54.4	24	6	AX962199 AX962199 Sequence
c	885	9.8	54.4	24	8	AJ834267 AJ834267 Arabidops
c	886	9.8	54.4	24	8	AJ835174 AJ835174 Arabidops
c	887	9.8	54.4	24	8	AJ836702 AJ836702 Arabidops
c	888	9.8	54.4	24	8	AJ836703 AJ836703 Arabidops
	889	9.8	54.4	25	6	AR014663 AR014663 Sequence
	890	9.8	54.4	25	6	AR173778 AR173778 Sequence
c	891	9.8	54.4	25	6	BD195715 BD195715 In vivo u
c	892	9.8	54.4	25	6	BD232007 BD232007 Methods a
c	893	9.8	54.4	25	6	CQ862830 CQ862830 Sequence
c	894	9.8	54.4	25	6	CQ862831 CQ862831 Sequence
	895	9.8	54.4	25	6	E49481 E49481 CD36 mutant
	896	9.8	54.4	25	6	I18916 I18916 Sequence 14
c	897	9.8	54.4	25	6	AR282808 AR282808 Sequence
c	898	9.8	54.4	25	6	AR345152 AR345152 Sequence
c	899	9.8	54.4	25	6	AX109847 AX109847 Sequence
c	900	9.8	54.4	25	6	AX196939 AX196939 Sequence
c	901	9.8	54.4	25	6	AX609717 AX609717 Sequence
c	902	9.8	54.4	25	6	AX609719 AX609719 Sequence
c	903	9.8	54.4	25	6	AX610503 AX610503 Sequence
c	904	9.8	54.4	25	6	AX610651 AX610651 Sequence
c	905	9.8	54.4	25	6	AX610653 AX610653 Sequence
c	906	9.8	54.4	25	6	AX610654 AX610654 Sequence
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	909	9.8	54.4	25	6	AX612858 AX612858 Sequence
c	910	9.8	54.4	25	6	AX613481 AX613481 Sequence
c	911	9.8	54.4	25	6	AX614208 AX614208 Sequence
	912	9.8	54.4	25	6	AX693948 AX693948 Sequence
	913	9.8	54.4	26	6	AX146534 AX146534 Sequence
c	914	9.8	54.4	27	6	BD264352 BD264352 Methods a
	915	9.8	54.4	27	6	AR185605 AR185605 Sequence
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SOURCE      Escherichia coli
  ORGANISM  Escherichia coli
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REFERENCE   1
  AUTHORS   Liu,L.Y., Chung,T.Y. and Terng,H.J.
  TITLE     Method for detecting Escherichia coli
  JOURNAL   Patent: EP 1321530-A 2 25-JUN-2003;
            Dr. Chip Biotechnology Incorporation (TW)
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VERSION     CQ849464.1  GI:51507469
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SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Lin,C.P., Chen,C.A., Chen,M.Y. and Huang,M.Y.
  TITLE     Method and apparatus for detecting pathogens
  JOURNAL   Patent: EP 1447454-A 2 18-AUG-2004;
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KEYWORDS    .
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  ORGANISM  Escherichia coli
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            Enterobacteriaceae; Escherichia.
REFERENCE   1
  AUTHORS   Liu,L.Y., Chung,T.Y. and Terng,H.J.
  TITLE     Method for detecting Escherichia coli
  JOURNAL   Patent: EP 1321530-A 4 25-JUN-2003;
            Dr. Chip Biotechnology Incorporation (TW)
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ACCESSION   AR360381
VERSION     AR360381.1  GI:33767406
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 23)
  AUTHORS   Pfeifer,G.P. and Dammann,R.
  TITLE     Tumor suppressor gene
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GenCore version 5.1.6

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Scoring table: IDENTITY_NUC
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Searched: 4390206 seqs, 2959870667 residues

Total number of hits satisfying chosen parameters: 3916100

Minimum DB seq length: 0
Maximum DB seq length: 40

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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Adc17961 Human PRO
Add70607 Human sec
Add39684 Human sec
Add70130 Human sec
Add38251 Human sec
Add39207 Human sec
Add38730 Human sec
Add40161 Human sec
Ade50382 Human sec
Ade19994 Human sec
Ade49905 Human sec
Ade21463 Human sec
Adf29888 Human sec
Adf55781 Human sec
Adh99285 Human sec
Ade96465 Human sec
Adf25776 Human sec
Adf24675 Human sec
Adf29411 Human sec
Ade96942 Human sec
Adh02980 Human sec
Adh03934 Human sec
Adh03457 Human sec
Adh04411 Human sec
Adh61412 Human sec
Ad194611 Human sec
Aax06445 Human bia
Abz63041 Human K-R
Aaq46380 HAV ampli
Adp03809 Antibody
Aaz95940 Polynucle
Acf58109 P16 non-m
Aat89264 Neutrophi
Aat76288 Human neu
Aax54083 Neutrophi
Aaa33527 Low adeno
Aaf19649 Human neu
Ach66334 Yeast mut
Abz95343 Human neu
Ada66504 Transform
Abd19346 Human neu
Aat86478 Human JV1
Abt19430 Aspergill
Abz30866 Candida a
Ads12627 DNA probe
Aci99997 Human mic
Ack21612 Human mic
Aci49264 Human mic
Aci38517 Human mic
Ack23777 Human mic
Aci60931 Human mic
Aad20932 T. emerso
Abk87960 PCR prime
Adl33474 HIV gag-p
Aad09133 Human cat
Abx69695 Novel Hel
Aaa15348 PCR prime
Aba97445 Human Sta
Abx79705 EST polym
Aas00293 PCR prime
Abk48005 Photorhab
Abx14036 PCR prime
Abf47208 Oligonucl
Abh29278 Oligonucl
Abc53138 Oligonucl
Abf11811 Oligonucl
Abc92127 Oligonucl
Abf05665 Oligonucl
Abf17301 Oligonucl
Abf47209 Oligonucl

c 167	11.4	63.3	13	5	ABC53139
168	11.4	63.3	13	5	ABC92126
169	11.4	63.3	13	5	ABF17300
170	11.4	63.3	13	5	ABF05664
171	11.4	63.3	13	5	ABF11810
c 172	11.4	63.3	13	5	ABH29279
c 173	11.4	63.3	17	8	ABT36970
174	11.4	63.3	19	3	AAZ45042
175	11.4	63.3	19	4	AAF83994
176	11.4	63.3	20	2	AAX95993
177	11.4	63.3	20	2	AAX95996
c 178	11.4	63.3	20	10	ADG89532
179	11.4	63.3	20	10	ADJ80062
c 180	11.4	63.3	20	12	ADH58755
181	11.4	63.3	20	12	ADH58819
182	11.4	63.3	21	10	ADD68270
183	11.4	63.3	21	11	ADL26718
c 184	11.4	63.3	21	13	ADQ92936
c 185	11.4	63.3	21	13	ADQ92937
186	11.4	63.3	21	13	ADQ92938
187	11.4	63.3	24	6	ABQ93669
188	11.4	63.3	24	6	ABQ93663
189	11.4	63.3	24	6	ABS61637
c 190	11.4	63.3	24	6	ABA91699
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192	11.4	63.3	25	9	ACK22742
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194	11.4	63.3	25	9	ACK24160
195	11.4	63.3	25	9	ACK24794
196	11.4	63.3	25	9	ACI58073
c 197	11.4	63.3	25	10	ADD18264
c 198	11.4	63.3	25	10	ADD18385
c 199	11.4	63.3	25	10	ADD18278
c 200	11.4	63.3	25	10	ADD18404
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c 203	11.4	63.3	27	6	AAL45572
c 204	11.4	63.3	30	2	AAT34337
c 205	11.4	63.3	30	2	AAV68294
c 206	11.4	63.3	30	10	ADF09143
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c 212	11.2	62.2	17	6	ABK26103
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214	11.2	62.2	17	8	ADB05110
c 215	11.2	62.2	17	12	ADN44794
216	11.2	62.2	17	12	ADN44795
c 217	11.2	62.2	18	2	AAQ12912
c 218	11.2	62.2	18	5	AAF89361
219	11.2	62.2	18	8	ABZ10840
c 220	11.2	62.2	19	13	ADR79256
221	11.2	62.2	19	13	ADR78758
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c 223	11.2	62.2	19	13	ADR77621
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c 227	11.2	62.2	20	2	AAT18343
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230	11.2	62.2	20	2	AAX99313
c 231	11.2	62.2	20	2	AAZ06106
c 232	11.2	62.2	20	3	AAA80180
c 233	11.2	62.2	20	6	AAD40559
c 234	11.2	62.2	20	6	ABQ74790
c 235	11.2	62.2	20	10	ADD69018
236	11.2	62.2	20	12	ADF83193
237	11.2	62.2	20	12	ADF83011
238	11.2	62.2	20	12	ADJ18933
239	11.2	62.2	20	12	ADJ18970

Abc53139 Oligonucl
Abc92126 Oligonucl
Abf17300 Oligonucl
Abf05664 Oligonucl
Abf11810 Oligonucl
Abh29279 Oligonucl
Abt36970 Tumour su
Aaz45042 Forward P
Aaf83994 Rat hedge
Aax95993 PCR prime
Aax95996 PCR prime
Adg89532 Human mat
Adj80062 CORE-cass
Adh58755 Human CDC
Adh58819 Human CDC
Add68270 PCR prime
Adl26718 Multimeri
Adq92936 Aromatase
Adq92937 Aromatase
Adq92938 Aromatase
Abq93669 Minimally
Abq93663 Minimally
Abs61637 Analyte s
Aba91699 Mismatche
Aci07956 Human mic
Ack22742 Human mic
Aci79709 Human mic
Ack24160 Human mic
Ack24794 Human mic
Aci58073 Human mic
Add18264 Human MOL
Add18385 Human MOL
Add18278 Human MOL
Add18404 Human MOL
Aax24728 Pineapple
Aax74104 Mouse flt
Aal45572 Lactobaci
Aat34337 3' glaA n
Aav68294 Aspergill
Adf09143 glaA gene
Adp71280 Human hya
Aav68312 Aspergill
Aav68300 Aspergill
Aat54005 Rat ICAM
Abk26104 Amino aci
Abk26103 Amino aci
Adb05108 Human MDZ
Adb05110 Human MDZ
Adn44794 Mutant ce
Adn44795 Mutant ce
Aaq12912 Oligonucl
Aaf89361 Sample me
Abz10840 Haematopo
Adr79256 Human apo
Adr78758 Human apo
Adr79307 Human apo
Adr77621 Human apo
Adr76140 Human apo
Adr77672 Human apo
Aaq81299 Ribozyme
Aat18343 Tn10 tetr
Aav68305 Aspergill
Aax88669 Human chr
Aax99313 C. elegan
Aaz06106 PCR prime
Aaa80180 Hepatitis
Aad40559 Human OTK
Abq74790 Human TNF
Add69018 Human B-c
Adf83193 Human IGF
Adf83011 Antisense
Adj18933 Data stor
Adj18970 Data stor

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	825	10.4	57.8	25	9	ACI44591 Aci44591 Human mic
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c	827	10.4	57.8	25	9	ACI79708 Aci79708 Human mic
	828	10.4	57.8	25	9	ACI50469 Aci50469 Human mic
	829	10.4	57.8	25	9	ACI36099 Aci36099 Human mic
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	831	10.4	57.8	25	9	ACI91757 Aci91757 Human mic
c	832	10.4	57.8	25	9	ACI76879 Aci76879 Human mic
	833	10.4	57.8	25	9	ACH52391 DNA targe
	834	10.4	57.8	25	10	ADF92486 Adf92486 PCR prime
	835	10.4	57.8	25	13	ADR57383 Adr57383 Drug ther
c	836	10.4	57.8	26	3	AAZ43595 Aaz43595 Alzheimer
c	837	10.4	57.8	26	3	AAZ95506 Aaz95506 TRP1 gene
c	838	10.4	57.8	26	3	AAZ45900 Aaz45900 PCR prime
c	839	10.4	57.8	26	10	ADE34603 Ade34603 mHPRT rev
c	840	10.4	57.8	26	10	ADD93498 Add93498 Human hOG
	841	10.4	57.8	27	2	AAX72096 Aax72096 Mouse flk
	842	10.4	57.8	27	2	AAX73654 Aax73654 Mouse flt
	843	10.4	57.8	27	2	AAX73568 Aax73568 Mouse flt
	844	10.4	57.8	27	2	AAX67979 Aax67979 Human flt
	845	10.4	57.8	27	2	AAX70669 Aax70669 Human KDR
	846	10.4	57.8	27	2	AAX63143 Aax63143 Delta-9 d
	847	10.4	57.8	27	2	AAX23165 Aax23165 Human ins
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c	850	10.4	57.8	27	6	ABN83413 Abn83413 Mutant TE
c	851	10.4	57.8	27	6	ABN83412 Abn83412 Mutant TE
	852	10.4	57.8	27	8	ACC79999 Acc79999 P. papata
	853	10.4	57.8	28	2	AAV17910 Aav17910 Mammaglob
	854	10.4	57.8	28	4	AAD20931 Aad20931 T. emerso
	855	10.4	57.8	28	6	ABK87959 Abk87959 PCR prime
c	856	10.4	57.8	29	2	AAX88078 Aax88078 Oligonucl
c	857	10.4	57.8	29	2	AAZ00706 Aaz00706 P. daleae
	858	10.4	57.8	29	2	AAV91561 Aav91561 Human C-r
	859	10.4	57.8	30	2	AAX10166 Aax10166 Human bia
c	860	10.4	57.8	30	3	AAZ58841 Aaz58841 Bovine my
c	861	10.4	57.8	30	6	ABX69368 Abx69368 Novel Hel
c	862	10.4	57.8	31	2	AAV67950 Aav67950 Nucleotid
c	863	10.4	57.8	31	3	AAZ48083 Aaz48083 Saccharom
	864	10.4	57.8	31	6	ABL59358 Abl59358 PCR prime
c	865	10.4	57.8	31	12	ADM28635 Adm28635 PCR prime
	866	10.4	57.8	32	5	AAF90475 Aaf90475 Candida a
	867	10.4	57.8	32	5	AAI69857 Aai69857 Adeno-ass
c	868	10.4	57.8	33	6	ABZ70866 Abz70866 Human ATP
c	869	10.4	57.8	34	12	ADO25658 Ado25658 Primer to
c	870	10.4	57.8	35	2	AAT34331 Aat34331 3' glaA n
c	871	10.4	57.8	35	10	ADF09133 Adf09133 pAB6-1 pl
c	872	10.4	57.8	36	2	AAV68314 Aav68314 Aspergill
c	873	10.4	57.8	37	8	ABZ09811 Abz09811 Human oli
c	874	10.4	57.8	37	10	ABZ79264 Abz79264 Tumour su
	875	10.4	57.8	38	4	AAH96904 Aah96904 Human Chk
c	876	10.4	57.8	38	6	ACN27027 Acn27027 WNV minus
c	877	10.4	57.8	39	12	ADP85049 Adp85049 Primer us
	878	10.4	57.8	40	1	AAN82197 Aan82197 SK60 prob
	879	10.4	57.8	40	2	AAQ15295 Aaq15295 HTLV-II p
c	880	10.4	57.8	40	2	AAQ73434 Aaq73434 Histoplas
	881	10.4	57.8	40	6	ABA90814 Aba90814 Bacillus
c	882	10.2	56.7	15	2	AAT57032 Aat57032 RSV 1C ha
c	883	10.2	56.7	15	2	AAT56780 Aat56780 RSV 1B ha
c	884	10.2	56.7	15	2	AAX65894 Aax65894 Human B7-
c	885	10.2	56.7	15	2	AAT13812 Aat13812 Borna dis
c	886	10.2	56.7	15	4	AAF49678 Aaf49678 IGF-I oli
c	887	10.2	56.7	15	4	AAF49679 Aaf49679 IGF-I oli
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	889	10.2	56.7	16	6	AAI68622 Aai68622 ICAM-1 tr
	890	10.2	56.7	16	6	AAI68624 Aai68624 ICAM-1 tr
c	891	10.2	56.7	16	6	AAI68632 Aai68632 ICAM-1 tr
	892	10.2	56.7	16	6	AAI68620 Aai68620 ICAM-1 tr
	893	10.2	56.7	17	2	AAT81475 Aat81475 Human c-m
	894	10.2	56.7	17	2	AAT66788 Aat66788 Sequence
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	896	10.2	56.7	17	2	AAV95917 Aav95917 Solanidin
c	897	10.2	56.7	17	2	AAV93303 Aav93303 Human B-r
	898	10.2	56.7	17	6	ABT04860 Abt04860 C parvum
c	899	10.2	56.7	17	8	ACA06876 Aca06876 NFKB sub-
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	901	10.2	56.7	17	13	ADS91064 Ads91064 Oligonucl
c	902	10.2	56.7	18	2	AAX37564 Aax37564 Human LSP
	903	10.2	56.7	18	4	AAH75236 Aah75236 Human ind
	904	10.2	56.7	18	4	AAH25336 Aah25336 Antisense
	905	10.2	56.7	18	4	AAI98553 Aai98553 Genomic D
c	906	10.2	56.7	18	8	ABT13974 Abt13974 Human Cry
c	907	10.2	56.7	18	8	ACF62899 Acf62899 Human p21
	908	10.2	56.7	18	8	ACF62897 Acf62897 Human p21
	909	10.2	56.7	18	8	ABZ10553 Abz10553 Haematopo
	910	10.2	56.7	18	10	ADB54648 Adb54648 Hybridisa
	911	10.2	56.7	18	10	ADB54555 Adb54555 Hybridisa
	912	10.2	56.7	18	10	ADC70203 Adc70203 Primer ol
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	914	10.2	56.7	18	12	ADI20838 Adi20838 Hybridisa
	915	10.2	56.7	18	13	ADP79560 Adp79560 Triplex f
	916	10.2	56.7	18	13	ADS90322 Ads90322 Oligonucl
	917	10.2	56.7	18	13	ADS90688 Ads90688 Oligonucl
	918	10.2	56.7	18	13	ADS73733 Ads73733 GITR DNA
	919	10.2	56.7	19	3	AAA83696 Aaa83696 cdk-we-hu
	920	10.2	56.7	19	3	AAA83695 Aaa83695 cdk-we-hu
c	921	10.2	56.7	19	4	AAF25182 Aaf25182 PCR prime
	922	10.2	56.7	19	5	AAH58857 Aah58857 Cdk-we-hu
	923	10.2	56.7	19	5	AAH58858 Aah58858 Cdk-we-hu
	924	10.2	56.7	19	9	ADA26133 Ada26133 Human REL
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	931	10.2	56.7	19	13	ADR76820 Adr76820 Human apo
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c	933	10.2	56.7	20	2	AAQ39438 Aaq39438 PCR Prime
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c	937	10.2	56.7	20	2	AAX61849 Aax61849 HPV L1 se
c	938	10.2	56.7	20	2	AAZ02544 Aaz02544 PCR prime
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	940	10.2	56.7	20	3	AAZ70904 Aaz70904 Human bia
c	941	10.2	56.7	20	3	AAZ73486 Aaz73486 Human bia
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	943	10.2	56.7	20	3	AAC73813 Aac73813 Human IL-
	944	10.2	56.7	20	4	AAH22300 Aah22300 Plasminog
	945	10.2	56.7	20	6	ABQ65263 Abq65263 Human gen
	946	10.2	56.7	20	6	ABQ65313 Abq65313 Human gen
	947	10.2	56.7	20	6	ABK34051 Abk34051 Human AFP
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	950	10.2	56.7	20	6	ABK27989 Abk27989 Human AFP
c	951	10.2	56.7	20	6	ABI95029 Abi95029 Capture o
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	953	10.2	56.7	20	8	ABZ10252 Abz10252 Haematopo
	954	10.2	56.7	20	8	ABX04467 Abx04467 Human Int
	955	10.2	56.7	20	8	ADA20495 Ada20495 Prostate
	956	10.2	56.7	20	8	ADA20453 Ada20453 Prostate
	957	10.2	56.7	20	8	ADA84260 Ada84260 Human AFP
	958	10.2	56.7	20	8	ADA84296 Ada84296 Human EGR
c	959	10.2	56.7	20	8	ACC86833 Acc86833 Mouse VEG
	960	10.2	56.7	20	8	AAD55462 Aad55462 Human FGF
c	961	10.2	56.7	20	9	ADA73731 Ada73731 Carcinoma
c	962	10.2	56.7	20	9	ACH66331 Ach66331 Yeast hyp
c	963	10.2	56.7	20	9	ACH66357 Ach66357 Yeast mut
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	967	10.2	56.7	20	10	ADE84218 Ade84218 Human lym
	968	10.2	56.7	20	10	ADG31621 Adg31621 PCR prime
	969	10.2	56.7	20	10	ABZ85609 Abz85609 Human oli

c 970	10.2	56.7	20	10	ADA55768	Ada55768 Human pro
c 971	10.2	56.7	20	10	ADA55799	Ada55799 Human pro
972	10.2	56.7	20	11	ABD21839	Abd21839 Human sta
973	10.2	56.7	20	12	ADK95154	Adk95154 Primer of
974	10.2	56.7	20	12	ADJ61403	Adj61403 Oligonucl
975	10.2	56.7	20	12	ADJ22969	Adj22969 Human end
976	10.2	56.7	20	12	ADJ22575	Adj22575 Human end
977	10.2	56.7	20	12	ADJ24084	Adj24084 Human end
978	10.2	56.7	20	12	ADJ22757	Adj22757 Human end
979	10.2	56.7	20	12	ADJ22691	Adj22691 Human end
980	10.2	56.7	20	12	ADJ23097	Adj23097 Human end
981	10.2	56.7	20	12	ADL00497	Adl00497 Human VEG
982	10.2	56.7	20	12	ADL00486	Adl00486 Human VEG
983	10.2	56.7	20	12	ADL00511	Adl00511 Human VEG
984	10.2	56.7	20	12	ADL00488	Adl00488 Human VEG
985	10.2	56.7	20	12	ADL00479	Adl00479 Human VEG
986	10.2	56.7	20	12	ADL00538	Adl00538 Human VEG
c 987	10.2	56.7	20	12	ADN97834	Adn97834 Human fox
988	10.2	56.7	20	12	ADN97756	Adn97756 Human fox
989	10.2	56.7	20	12	ADO46793	Ado46793 Human oli
990	10.2	56.7	20	12	ADN40692	Adn40692 Human for
c 991	10.2	56.7	20	12	ADN40770	Adn40770 Human for
992	10.2	56.7	20	12	ADR12144	Adr12144 Human int
993	10.2	56.7	20	13	ADS89786	Ads89786 Human PCR
c 994	10.2	56.7	20	13	ADR98637	Adr98637 Human ins
995	10.2	56.7	20	13	ADR98672	Adr98672 Human ins
996	10.2	56.7	20	13	ADT02112	Adt02112 Novel mut
997	10.2	56.7	21	2	AAV03661	Aav03661 Ehrlichia
c 998	10.2	56.7	21	3	AAZ75265	Aaz75265 Human bia
c 999	10.2	56.7	21	9	ACC00451	Acc00451 Borrelia
c1000	10.2	56.7	21	12	ADF83028	Adf83028 Small int

ALIGNMENTS

RESULT 1
ADD28222
ID ADD28222 standard; DNA; 18 BP.
XX
AC ADD28222;
XX
DT 15-JAN-2004 (first entry)
XX
DE E. coli-specific PCR primer #2 used in detection method.
XX
KW Escherichia coli detection; microorganism; water sample; food sample;
KW biological specimen; E. coli detection; PCR; primer; ss.
XX
OS Escherichia coli.
XX
PN US2003113731-A1.
XX
PD 19-JUN-2003.
XX
PF 19-DEC-2001; 2001US-00025137.
XX
PR 19-DEC-2001; 2001US-00025137.
XX
PA (LIUL/) LIU L.
PA (CHUN/) CHUNG T.
PA (TERN/) TERNG H.
XX
PI Liu L, Chung T, Terng H;
XX
DR WPI; 2003-810889/76.
XX
PT Detecting Escherichia coli in water sample, food sample or biological
PT sample by amplifying the nucleic acid from the microorganism, and
PT detecting the amplification product.
XX
PS Claim 1; Page 1; 9pp; English.
XX
CC The present invention relates to a method for detecting Escherichia coli.
CC The method involves providing a sample having a nucleic acid from an
CC unknown microorganism, amplifying the nucleic acid with an upstream
CC primer and a down stream primer, each primer being 18-40 nucleotides in
CC length and detecting an amplification product, where detection of the
CC amplification product indicates the presence of E. coli. The invention
CC also discloses E. coli-specific probes. The method of the invention is
CC useful for detecting E. coli in water samples, food samples or biological
CC specimens such as a specimen from a patient. The method is a fast,
CC accurate, and sensitive method for E. coli detection. The present
CC sequence represents an E. coli-specific PCR primer used in the method of
CC the invention.
XX
SQ Sequence 18 BP; 3 A; 0 C; 6 G; 9 T; 0 U; 0 Other;

Query Match 100.0%; Score 18; DB 10; Length 18;
Best Local Similarity 100.0%; Pred. No. 63;
Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TTAGGTGTATTGATTGTG 18
||||||||||||||||||
Db 1 TTAGGTGTATTGATTGTG 18

RESULT 2
ADD28213
ID ADD28213 standard; DNA; 24 BP.
XX
AC ADD28213;
XX
DT 15-JAN-2004 (first entry)
XX
DE E. coli-specific PCR primer #4 used in detection method.
XX
KW Escherichia coli detection; microorganism; water sample; food sample;
KW biological specimen; E. coli detection; PCR; primer; ss.
XX
OS Escherichia coli.
XX
PN US2003113731-A1.
XX
PD 19-JUN-2003.
XX
PF 19-DEC-2001; 2001US-00025137.
XX
PR 19-DEC-2001; 2001US-00025137.
XX
PA (LIUL/) LIU L.
PA (CHUN/) CHUNG T.
PA (TERN/) TERNG H.
XX
PI Liu L, Chung T, Terng H;
XX
DR WPI; 2003-810889/76.
XX
PT Detecting Escherichia coli in water sample, food sample or biological
PT sample by amplifying the nucleic acid from the microorganism, and
PT detecting the amplification product.
XX
PS Claim 1; Page 1; 9pp; English.
XX
CC The present invention relates to a method for detecting Escherichia coli.
CC The method involves providing a sample having a nucleic acid from an
CC unknown microorganism, amplifying the nucleic acid with an upstream
CC primer and a down stream primer, each primer being 18-40 nucleotides in
CC length and detecting an amplification product, where detection of the
CC amplification product indicates the presence of E. coli. The invention
CC also discloses E. coli-specific probes. The method of the invention is
CC useful for detecting E. coli in water samples, food samples or biological
CC specimens such as a specimen from a patient. The method is a fast,
CC accurate, and sensitive method for E. coli detection. The present
CC sequence represents an E. coli-specific PCR primer used in the method of
CC the invention.

```
XX
SQ   Sequence 24 BP; 4 A; 3 C; 8 G; 9 T; 0 U; 0 Other;

  Query Match             100.0%;  Score 18;  DB 10;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 63;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 TTAGGTGTATTGATTGTG 18
              ||||||||||||||||||
Db          7 TTAGGTGTATTGATTGTG 24


RESULT 3
ADR23450
ID   ADR23450 standard; DNA; 24 BP.
XX
AC   ADR23450;
XX
DT   04-NOV-2004  (first entry)
XX
DE   PCR primer N2 for detecting E coli by novel detection method.
XX
KW   ss; primer; assay; pathogen; hybridization; Staphylococcus;
KW   Escherichia coli; Salmonella; food; cosmetic; pharmaceuticals;
KW   PCR primer.
XX
OS   Escherichia coli.
XX
PN   EP1447454-A1.
XX
PD   18-AUG-2004.
XX
PF   14-FEB-2003; 2003EP-00003407.
XX
PR   14-FEB-2003; 2003EP-00003407.
XX
PA   (CHIP-) CHIP BIOTECHNOLOGY INC.
XX
PI   Lin C,  Chen C,  Chen M,  Huang M;
XX
DR   WPI; 2004-595623/58.
XX
PT   Determining pathogen in sample e.g. food, by amplifying sample nucleic
PT   acid using pathogen-specific primers, transferring amplified sequence to
PT   carrier having sequence complementary to target sequence and detecting
PT   hybridization pattern.
XX
PS   Disclosure; SEQ ID NO 2; 21pp; English.
XX
CC   The invention relates to an assay (M1) for determining presence/absence
CC   of pathogen in sample by specifically amplifying a target nucleic acid
CC   obtained from sample using pathogen-specific primers, transferring
CC   amplified sequence to a carrier that contains on its pre-selected
CC   locations a sequence complementary to amplified sequence and detecting
CC   hybridization at any locations, where pattern of detected hybridization
CC   signals is indicative of presence/absence of given pathogen. (M1) is
CC   useful for determining in a sample, the presence or absence of a pathogen
CC   chosen from the genus Staphylococcus, Escherichia coli and Salmonella, in
CC   a product material such as food, cosmetics or pharmaceuticals. This
CC   sequence represents a PCR primer used in the method to detect an
CC   Escherichia coli organism.
XX
SQ   Sequence 24 BP; 4 A; 3 C; 8 G; 9 T; 0 U; 0 Other;

  Query Match             100.0%;  Score 18;  DB 13;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 63;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 TTAGGTGTATTGATTGTG 18
              ||||||||||||||||||
Db          7 TTAGGTGTATTGATTGTG 24


RESULT 4
ABS55583/c
ID   ABS55583 standard; DNA; 23 BP.
XX
AC   ABS55583;
XX
DT   19-DEC-2002  (first entry)
XX
DE   Human tumour suppressor RASSF1 PCR primer ML561.
XX
KW   Human; ss; tumour suppressor; RASSF1; cancer; breast cancer; PCR;
KW   DNA methylation; lung cancer; kidney cancer; ovarian cancer;
KW   head and neck cancer; melanoma; primer; chromosome 3p21.3; CpG island;
KW   primer.
XX
OS   Homo sapiens.
XX
PN   US2002098530-A1.
XX
PD   25-JUL-2002.
XX
PF   30-MAR-2001; 2001US-00821803.
XX
PR   30-MAR-2000; 2000US-0193268P.
XX
PA   (CITY ) CITY OF HOPE.
XX
PI   Pfeifer GP,  Dammann R;
XX
DR   WPI; 2002-690479/74.
XX
PT   Novel tumor suppressor gene, termed RASSF1, useful for the diagnosis of
PT   predisposition to cancer by analyzing its methylation status,
PT   heterozygosity or mutation.
XX
PS   Example 1; Page 17; 57pp; English.
XX
CC   The invention relates to an isolated tumour suppressor gene coding for
CC   splice variant RASSF1.A, RASSF1.B or RASSF1.C protein or its complement,
CC   or a DNA molecule which hybridises under stringent conditions to them.
CC   Also included are naturally occurring mutants of RASSF1.A, detecting (M1)
CC   a methylated RASSF1 gene, non-expressed RASSF1 gene or an alteration in
CC   RASSF1 where the methylation, non-expression or alteration is associated
CC   with cancer in a human, by analysing an RASSF1 gene or an RASSF gene
CC   expression product from a tissue or body fluid of the human;
CC   administering RASSF1 agonists to treat cancer, a RASSF1 non-human
CC   transgenic animal, a cell line from the transgenic animal, and screening
CC   for cancer therapeutics/drug candidates useful in treating cancer
CC   resulting from a methylated or a mutation in RASSF1. (M1) is useful for
CC   detected methylated RASSF1 gene, which is useful for determining whether
CC   a human subject has or is at risk for developing cancer. The method
CC   involves detecting the methylation or non-expression of the gene or the
CC   presence or absence of a genetic polymorphism as in the RASSF1 gene of
CC   the subject, where the methylation or non-expression or the presence of
CC   the genetic polymorphism identifies a subject that has or is at risk for
CC   developing cancer. The mutants are useful for screening for drug
CC   candidates useful in treating cancer resulting from the RASSF1 gene.
CC   Analysis of the RASSF1 gene is useful in the diagnosis of predisposition
CC   to cancer, including lung, breast, kidney, ovarian, head and neck cancer
CC   and melanoma. The association between the RASSF1 gene and cancer permits
CC   the early presymptomatic screening of individuals to identify those at
CC   risk for developing cancer. RASSF1 protein is useful for identifying
CC   agonists of the biological function of an RASSF1 protein. RASSF1, its
CC   encoding nucleic acids, antibodies and compounds identified by the
CC   screening assays are useful for treating cancer. The gene for RASSF1 is
CC   located on chromosome 3p21.3. The present sequence is a PCR primer used
CC   to amplify the CpG island region of the RASSF1 gene in order to
CC   investigate the methylation state
XX
SQ   Sequence 23 BP; 8 A; 12 C; 0 G; 3 T; 0 U; 0 Other;

  Query Match             73.3%;  Score 13.2;  DB 6;  Length 23;
  Best Local Similarity   83.3%;  Pred. No. 1.2e+04;
```

```
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy          1 TTAGGTGTATTGATTGTG 18
              || ||||||  |||||||
Db         21 TTGGGTGTAGGGATTGTG 4


RESULT 5
ACI60930
ID   ACI60930 standard; DNA; 25 BP.
XX
AC   ACI60930;
XX
DT   13-OCT-2003  (first entry)
XX
DE   Human microarray DNA oligonucleotide SEQ ID NO 60921.
XX
KW   EST; ss; probe; expressed sequence tag; microarray; gene expression;
KW   genetic variation; biallelic marker; polymorphism; human;
KW   cross-species comparison.
XX
OS   Homo sapiens.
XX
PN   US2003104410-A1.
XX
PD   05-JUN-2003.
XX
PF   15-MAR-2002; 2002US-00098263.
XX
PR   16-MAR-2001; 2001US-0276759P.
XX
PA   (AFFY-) AFFYMETRIX INC.
XX
PI   Mittmann MP;
XX
DR   WPI; 2003-567953/53.
XX
PT   New array of nucleic acid probes, useful for in situ hybridization, in
PT   Southern, Northern or dot-blot hybridization to identify or detect the
PT   sequence or specific mutations of any gene.
XX
PS   Claim 1; SEQ ID NO 60921; 9pp; English.
XX
CC   The invention discloses a microarray comprising a plurality of nucleic
CC   acid probes including one of 2,018,500 fully defined sequences, or its
CC   perfect match, perfect mismatch, antisense match or antisense mismatch.
CC   Also disclosed is a method of gene expression analysis. The array is used
CC   in monitoring gene expression levels by hybridisation to a DNA library,
CC   in analysis of genetic variation or in hybridisation of tag-labelled
CC   compounds. The nucleic acid probes are specifically designed for analysis
CC   of at least one target sequence. The method of analysis comprises
CC   hybridising at least one or more nucleic acids to at least two or more
CC   nucleic acid probes and detecting the hybridisation. The nucleic acid
CC   probes are attached to a solid support. The analysis comprises monitoring
CC   gene expression levels, identifying biallelic markers or polymorphisms,
CC   or family members of a gene and a cross-species comparison. Each of the
CC   nucleic acids further comprises a tag sequence. The array of nucleic acid
CC   probes is useful in in situ hybridisation, in Southern, Northern or dot-
CC   blot hybridisation to identify or detect the sequence or specific
CC   mutations of any gene, in mapping the 5' termini of mRNA molecules by
CC   primer extensions or in screening cDNA or genomic libraries or subclones
CC   for additional subclones containing segments of DNA that have been
CC   isolated and previously sequenced. The sequence presented is one of the
CC   nucleic acid probes incorporated in the microarray. Note: The sequence
CC   data for this patent can also be obtained in electronic format directly
CC   from USPTO at seqdata.uspto.goc/sequence.html
XX
SQ   Sequence 25 BP; 5 A; 4 C; 7 G; 9 T; 0 U; 0 Other;

  Query Match             73.3%;  Score 13.2;  DB 9;  Length 25;
  Best Local Similarity   83.3%;  Pred. No. 1.2e+04;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy          1 TTAGGTGTATTGATTGTG 18
              |||||||||  | || |||
Db          1 TTAGGTGTAGTTATCGTG 18


RESULT 6
ACK23776
ID   ACK23776 standard; DNA; 25 BP.
XX
AC   ACK23776;
XX
DT   14-OCT-2003  (first entry)
XX
DE   Human microarray DNA oligonucleotide SEQ ID NO 123757.
XX
KW   EST; ss; probe; expressed sequence tag; microarray; gene expression;
KW   genetic variation; biallelic marker; polymorphism; human;
KW   cross-species comparison.
XX
OS   Homo sapiens.
XX
PN   US2003104410-A1.
XX
PD   05-JUN-2003.
XX
PF   15-MAR-2002; 2002US-00098263.
XX
PR   16-MAR-2001; 2001US-0276759P.
XX
PA   (AFFY-) AFFYMETRIX INC.
XX
PI   Mittmann MP;
XX
DR   WPI; 2003-567953/53.
XX
PT   New array of nucleic acid probes, useful for in situ hybridization, in
PT   Southern, Northern or dot-blot hybridization to identify or detect the
PT   sequence or specific mutations of any gene.
XX
PS   Claim 1; SEQ ID NO 123757; 9pp; English.
XX
CC   The invention discloses a microarray comprising a plurality of nucleic
CC   acid probes including one of 2,018,500 fully defined sequences, or its
CC   perfect match, perfect mismatch, antisense match or antisense mismatch.
CC   Also disclosed is a method of gene expression analysis. The array is used
CC   in monitoring gene expression levels by hybridisation to a DNA library,
CC   in analysis of genetic variation or in hybridisation of tag-labelled
CC   compounds. The nucleic acid probes are specifically designed for analysis
CC   of at least one target sequence. The method of analysis comprises
CC   hybridising at least one or more nucleic acids to at least two or more
CC   nucleic acid probes and detecting the hybridisation. The nucleic acid
CC   probes are attached to a solid support. The analysis comprises monitoring
CC   gene expression levels, identifying biallelic markers or polymorphisms,
CC   or family members of a gene and a cross-species comparison. Each of the
CC   nucleic acids further comprises a tag sequence. The array of nucleic acid
CC   probes is useful in in situ hybridisation, in Southern, Northern or dot-
CC   blot hybridisation to identify or detect the sequence or specific
CC   mutations of any gene, in mapping the 5' termini of mRNA molecules by
CC   primer extensions or in screening cDNA or genomic libraries or subclones
CC   for additional subclones containing segments of DNA that have been
CC   isolated and previously sequenced. The sequence presented is one of the
CC   nucleic acid probes incorporated in the microarray. Note: The sequence
CC   data for this patent can also be obtained in electronic format directly
CC   from USPTO at seqdata.uspto.goc/sequence.html
XX
SQ   Sequence 25 BP; 4 A; 6 C; 7 G; 8 T; 0 U; 0 Other;

  Query Match             73.3%;  Score 13.2;  DB 9;  Length 25;
  Best Local Similarity   83.3%;  Pred. No. 1.2e+04;
  Matches   15;  Conservative    0;  Mismatches    3;  Indels    0;  Gaps    0;

Qy          1 TTAGGTGTATTGATTGTG 18
              |||||||||| || || |
```

GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: April 15, 2005, 21:56:28 ; Search time 1312.93 Seconds
(without alignments)
521.854 Million cell updates/sec

Title: US-10-025-137B-2
Perfect score: 18
Sequence: 1 ttaggtgtattgattgtg 18

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 34239544 seqs, 19032134700 residues

Total number of hits satisfying chosen parameters: 94960

Minimum DB seq length: 0
Maximum DB seq length: 40

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database : EST:*
1: gb_est1:*
2: gb_est2:*
3: gb_htc:*
4: gb_est3:*
5: gb_est4:*
6: gb_est5:*
7: gb_est6:*
8: gb_gss1:*
9: gb_gss2:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
c 1	13	72.2	27	8	AZ584832	AZ584832 1M0389D18
c 2	12.4	68.9	21	8	AZ333207	AZ333207 1M0062K12
3	12.2	67.8	27	1	AJ666375	AJ666375 AJ666375
c 4	12.2	67.8	31	8	AZ829166	AZ829166 2M0106H07
5	12.2	67.8	38	8	AZ492049	AZ492049 1M0325N19
6	12.2	67.8	38	9	CL876499	CL876499 abf12h06.
7	11.8	65.6	22	9	AJ599727	AJ599727 Arabidops
c 8	11.8	65.6	27	8	AZ445466	AZ445466 1M0241L16
c 9	11.8	65.6	27	9	CL871573	CL871573 abe76f01.
c 10	11.6	64.4	25	9	AJ589736	AJ589736 Arabidops
c 11	11.6	64.4	25	9	AJ592439	AJ592439 Arabidops
c 12	11.6	64.4	31	1	AI698454	AI698454 tx65e11.x
13	11.6	64.4	37	8	BZ377418	BZ377418 SALK_0808
c 14	11.6	64.4	39	1	AU257667	AU257667 AU257667
c 15	11.6	64.4	40	1	AI473924	AI473924 tm04a11.x
c 16	11.4	63.3	36	9	CC793998	CC793998 SALK_0399
c 17	11.4	63.3	38	7	R37288	R37288 yf67a06.s1
18	11.2	62.2	28	8	AZ807215	AZ807215 2M0069E24
19	11.2	62.2	29	9	TA72H03Q	AL457987 T. brucei
c 20	11.2	62.2	32	5	BQ036576	BQ036576 SL5-0124
c 21	11.2	62.2	34	9	BX287582	BX287582 Arabidops
c 22	11.2	62.2	36	6	C02216	C02216 HUMGS000656
c 23	11.2	62.2	38	9	AJ587225	AJ587225 Arabidops
c 24	11	61.1	28	8	BH909425	BH909425 SALK_0535
c 25	10.8	60.0	20	8	AZ331602	AZ331602 1M0059G10
26	10.8	60.0	34	8	BH911562	BH911562 SALK_0694
27	10.8	60.0	35	8	AZ788299	AZ788299 2M0035J17
28	10.8	60.0	36	2	AW250732	AW250732 2822578.5
29	10.8	60.0	36	8	BZ382076	BZ382076 SALK_1178
30	10.8	60.0	36	9	CL678018	CL678018 PRI0121d_
31	10.8	60.0	37	1	AI000163	AI000163 os44d06.s
c 32	10.8	60.0	37	1	AI338529	AI338529 qq98c08.x
c 33	10.8	60.0	37	6	CA851681	CA851681 D16D05_H1
c 34	10.8	60.0	38	9	TA170E05Q	AL474182 T. brucei
c 35	10.8	60.0	39	9	CL523276	CL523276 DAL1E08 F
c 36	10.6	58.9	26	8	AZ621120	AZ621120 1M0454G07
c 37	10.6	58.9	27	8	AZ378215	AZ378215 1M0132E21
c 38	10.6	58.9	28	9	CC795515	CC795515 SALK_0813
c 39	10.6	58.9	30	6	CA851234	CA851234 D11E09_I2
c 40	10.6	58.9	30	9	TA248B10Q	AL482765 T. brucei
41	10.6	58.9	30	9	CL670607	CL670607 PRI0162c_
c 42	10.6	58.9	32	8	AZ579513	AZ579513 1M0367F08
c 43	10.6	58.9	34	1	AI308456	AI308456 tb44a12.x
44	10.6	58.9	36	8	BZ354988	BZ354988 SALK_1262
c 45	10.6	58.9	37	1	AI424021	AI424021 tf51e06.x
c 46	10.6	58.9	38	2	AV960142	AV960142 AV960142
47	10.6	58.9	39	8	BZ381110	BZ381110 SALK_1162
c 48	10.4	57.8	25	7	D20703	D20703 HUMGS01679
49	10.4	57.8	26	8	BH792348	BH792348 SALK_0640
50	10.4	57.8	26	8	BH792353	BH792353 SALK_0640
c 51	10.4	57.8	30	9	CL524406	CL524406 DAM1H05 F
c 52	10.4	57.8	31	1	AU244465	AU244465 AU244465
c 53	10.4	57.8	33	4	BG642379	BG642379 7b1 Droso
54	10.4	57.8	33	6	C21312	C21312 HUMGS000239
c 55	10.4	57.8	37	1	AV845588	AV845588 AV845588
c 56	10.4	57.8	39	8	AZ361607	AZ361607 1M0106F02
c 57	10.2	56.7	20	8	AZ791617	AZ791617 2M0041B10
c 58	10.2	56.7	25	8	AQ025670	AQ025670 l(2)09259
59	10.2	56.7	25	8	AZ633010	AZ633010 1M0488A04
60	10.2	56.7	25	8	AZ653221	AZ653221 1M0526I17
61	10.2	56.7	26	8	BH908631	BH908631 SALK_0497
c 62	10.2	56.7	28	1	AA887019	AA887019 nz50a08.s
63	10.2	56.7	28	8	BZ380495	BZ380495 SALK_1152
64	10.2	56.7	28	8	BZ594602	BZ594602 SALK_0845
65	10.2	56.7	28	8	BZ594690	BZ594690 SALK_0850
66	10.2	56.7	28	8	BZ594968	BZ594968 SALK_0854
67	10.2	56.7	28	8	BZ596673	BZ596673 SALK_0954
68	10.2	56.7	28	8	BZ665117	BZ665117 SALK_1107
69	10.2	56.7	28	8	BZ665191	BZ665191 SALK_1108
70	10.2	56.7	28	8	BZ766582	BZ766582 SALK_1375
c 71	10.2	56.7	29	9	CL667743	CL667743 PRI0155d_
72	10.2	56.7	30	5	BX569324	BX569324 BX569324_
c 73	10.2	56.7	30	8	BZ762046	BZ762046 SALK_0854
c 74	10.2	56.7	30	8	BZ762048	BZ762048 SALK_0854
75	10.2	56.7	31	8	BH810544	BH810544 SALK_0498
76	10.2	56.7	31	8	BH903544	BH903544 SALK_1028
77	10.2	56.7	33	8	AZ579574	AZ579574 1M0367M06
c 78	10.2	56.7	33	8	AZ797199	AZ797199 2M0053K13
c 79	10.2	56.7	33	8	CC458013	CC458013 SALK_1147
80	10.2	56.7	33	9	CR359691	CR359691 Arabidops
c 81	10.2	56.7	34	1	AA734076	AA734076 vs19b04.r
c 82	10.2	56.7	35	5	BU198441	BU198441 DCBCHE05
83	10.2	56.7	35	8	AZ467050	AZ467050 1M0278K12
c 84	10.2	56.7	35	8	BH812295	BH812295 SALK_0615
85	10.2	56.7	35	8	BZ381584	BZ381584 SALK_1169
86	10.2	56.7	35	8	BZ381585	BZ381585 SALK_1169
c 87	10.2	56.7	36	1	AU271090	AU271090 AU271090
88	10.2	56.7	36	8	AZ308280	AZ308280 1M0011B10
c 89	10.2	56.7	36	8	BZ352789	BZ352789 SALK_0823
90	10.2	56.7	37	9	CL517452	CL517452 SAC7F01 F
91	10.2	56.7	38	5	BX555595	BX555595 BX555595
92	10.2	56.7	38	8	AZ428738	AZ428738 1M0212C20
c 93	10.2	56.7	38	8	BH864365	BH864365 SALK_0958
c 94	10.2	56.7	38	9	BX547135	BX547135 Arabidops
c 95	10.2	56.7	40	1	AI195081	AI195081 ui60d06.x
96	10.2	56.7	40	8	BH809944	BH809944 SALK_0368
c 97	10.2	56.7	40	9	BX291691	BX291691 Arabidops

c	98	10	55.6	19	7	CF334260
c	99	10	55.6	22	8	AZ346725
	100	10	55.6	25	8	AZ610369
	101	10	55.6	26	8	CC179082
c	102	10	55.6	26	9	AG190989
	103	10	55.6	28	1	AI491834
c	104	10	55.6	28	1	AU259762
c	105	10	55.6	28	8	AZ382170
c	106	10	55.6	28	8	BH905737
c	107	10	55.6	30	8	AZ776239
c	108	10	55.6	31	1	AI092192
	109	10	55.6	31	1	AJ237257
c	110	10	55.6	31	8	AZ345749
	111	10	55.6	32	1	AJ678193
c	112	10	55.6	33	7	CF269589
	113	10	55.6	33	8	BH812336
	114	10	55.6	33	9	AB082324
c	115	10	55.6	34	1	AA176515
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GenCore version 5.1.6

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(without alignments)
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 1132682

Minimum DB seq length: 0
Maximum DB seq length: 40

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.		Score	% Query Match	Length	DB	ID	Description
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c	5	13.2	73.3	25	4	US-09-396-196G-17258	Sequence 17258, A
c	6	13	72.2	18	3	US-09-144-367-20	Sequence 20, Appl
c	7	12.8	71.1	23	4	US-09-379-888B-7	Sequence 7, Appli
c	8	12.8	71.1	30	1	US-08-479-817-3	Sequence 3, Appli
c	9	12.8	71.1	30	1	US-08-461-038-3	Sequence 3, Appli
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c	11	12.8	71.1	30	2	US-08-346-832-2	Sequence 2, Appli
c	12	12.8	71.1	30	2	US-08-160-063-2	Sequence 2, Appli
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	78	11.2	62.2	20	4	US-09-096-731A-24	Sequence 24, Appl
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113	11.2	62.2	33	1	US-07-949-812-15	Sequence 15, Appl
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c 115	11.2	62.2	33	1	US-07-813-338A-41	Sequence 41, Appl
c 116	11.2	62.2	33	1	US-07-955-905A-8	Sequence 8, Appli
117	11.2	62.2	33	1	US-07-955-905A-9	Sequence 9, Appli
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124	11.2	62.2	36	4	US-09-536-784-252	Sequence 252, App
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c 128	11.2	62.2	40	1	US-08-495-739-24	Sequence 24, Appl
c 129	11.2	62.2	40	1	US-08-495-741-24	Sequence 24, Appl
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c 166	10.8	60.0	36	1	US-07-842-349-23	Sequence 23, Appl
167	10.8	60.0	36	1	US-08-151-574-47	Sequence 47, Appl
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c 215	10.6	58.9	30	4	US-08-442-423-42	Sequence 42, Appl
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217	10.6	58.9	34	3	US-08-973-131-68	Sequence 68, Appl
218	10.6	58.9	37	1	US-07-780-800A-5	Sequence 5, Appli
219	10.6	58.9	38	4	US-09-371-772B-13824	Sequence 13824, A
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232	10.4	57.8	20	4	US-09-232-785-205	Sequence 205, App
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c 234	10.4	57.8	22	3	US-09-028-586-3	Sequence 3, Appli
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c 236	10.4	57.8	22	4	US-09-322-357-44	Sequence 44, Appl
c 237	10.4	57.8	22	4	US-09-925-118-3	Sequence 3, Appli
c 238	10.4	57.8	23	1	US-08-599-252-115	Sequence 115, App
c 239	10.4	57.8	23	1	US-08-436-074-36	Sequence 36, Appl
c 240	10.4	57.8	23	5	PCT-US96-06352-115	Sequence 115, App
c 241	10.4	57.8	23	5	PCT-US96-06583-115	Sequence 115, App
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OM nucleic - nucleic search, using sw model

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(without alignments)
512.680 Million cell updates/sec

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Listing first 1000 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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	2	18	100.0	24	15	US-10-025-137-4	Sequence 4, Appli
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	5	14	77.8	25	19	US-10-719-900-455085	Sequence 455085,
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	8	13.8	76.7	25	19	US-10-719-900-547141	Sequence 547141,
	9	13.8	76.7	25	19	US-10-719-900-619471	Sequence 619471,
c	10	13.4	74.4	25	19	US-10-719-900-221927	Sequence 221927,
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c	87	12.2	67.8	27	17	US-10-601-913-12	Sequence 12, Appl
	88	12.2	67.8	29	17	US-10-283-024-42	Sequence 42, Appl
	89	12.2	67.8	30	16	US-10-175-247-8	Sequence 8, Appli
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GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: April 15, 2005, 19:39:05 ; Search time 847.429 Seconds
(without alignments)
1372.299 Million cell updates/sec

Title: US-10-025-137B-3
Perfect score: 24
Sequence: 1 tgaatgcgcaagctgaaaaagtag 24

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 4708233 seqs, 24227607955 residues

Total number of hits satisfying chosen parameters: 1692386

Minimum DB seq length: 0
Maximum DB seq length: 40

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database : GenEmbl:*
1: gb_ba:*
2: gb_htg:*
3: gb_in:*
4: gb_om:*
5: gb_ov:*
6: gb_pat:*
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9: gb_pr:*
10: gb_ro:*
11: gb_sts:*
12: gb_sy:*
13: gb_un:*
14: gb_vi:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
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	5	14.6	60.8	30	6	AX300157	AX300157 Sequence
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c	7	14.2	59.2	26	6	AR093558	AR093558 Sequence
	8	14.2	59.2	26	6	BD140168	BD140168 Recombina
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c	98	12.6	52.5	34	6	AX927016	AX927016 Sequence
	99	12.6	52.5	35	6	I56118	I56118 Sequence 26
	100	12.6	52.5	38	6	CQ827389	CQ827389 Sequence
c	101	12.6	52.5	39	6	I33821	I33821 Sequence 15
c	102	12.6	52.5	40	6	AR019545	AR019545 Sequence
c	103	12.6	52.5	40	6	AR109506	AR109506 Sequence
	104	12.6	52.5	40	6	E06327	E06327 Primer. 9/1
	105	12.6	52.5	40	6	E06523	E06523 Primer. 9/1
c	106	12.6	52.5	40	6	I55677	I55677 Sequence 30
c	107	12.6	52.5	40	6	I76454	I76454 Sequence 30
c	108	12.6	52.5	40	6	AR217019	AR217019 Sequence
c	109	12.4	51.7	17	6	AX724657	AX724657 Sequence
c	110	12.4	51.7	17	6	AX736465	AX736465 Sequence
c	111	12.4	51.7	25	6	CQ869412	CQ869412 Sequence
c	112	12.4	51.7	26	6	AX004000	AX004000 Sequence
c	113	12.4	51.7	26	6	AX028641	AX028641 Sequence
	114	12.4	51.7	27	6	AR185437	AR185437 Sequence
	115	12.4	51.7	27	6	AX921646	AX921646 Sequence
c	116	12.4	51.7	28	6	AX004009	AX004009 Sequence
c	117	12.4	51.7	28	6	AX511832	AX511832 Sequence
	118	12.4	51.7	29	6	AX117139	AX117139 Sequence
	119	12.4	51.7	30	6	BD184162	BD184162 Method an
	120	12.4	51.7	30	6	AX742338	AX742338 Sequence
c	121	12.4	51.7	30	6	AX792411	AX792411 Sequence
c	122	12.4	51.7	31	6	AX536381	AX536381 Sequence
c	123	12.4	51.7	32	6	BD178296	BD178296 Mitochond
c	124	12.4	51.7	33	6	A98800	A98800 Sequence 33
c	125	12.4	51.7	33	6	BD244475	BD244475 Method an
c	126	12.4	51.7	33	6	AR183918	AR183918 Sequence
c	127	12.4	51.7	33	6	AR218340	AR218340 Sequence
c	128	12.4	51.7	33	6	AR242328	AR242328 Sequence
c	129	12.4	51.7	33	6	AX172869	AX172869 Sequence
c	130	12.4	51.7	33	6	BD014589	BD014589 Variant n
	131	12.4	51.7	33	6	BD014590	BD014590 Variant n
c	132	12.4	51.7	33	6	BD093801	BD093801 Variant n
	133	12.4	51.7	33	6	BD093802	BD093802 Variant n
c	134	12.4	51.7	34	6	AR026192	AR026192 Sequence
c	135	12.4	51.7	34	6	AR026272	AR026272 Sequence
	136	12.4	51.7	34	6	BD267511	BD267511 Mammalian
	137	12.4	51.7	34	6	I17522	I17522 Sequence 12
c	138	12.4	51.7	34	6	I82934	I82934 Sequence 36
c	139	12.4	51.7	34	6	I83014	I83014 Sequence 11
c	140	12.4	51.7	34	6	AR431120	AR431120 Sequence
c	141	12.4	51.7	34	6	AR431200	AR431200 Sequence
c	142	12.4	51.7	34	6	AX828913	AX828913 Sequence
c	143	12.4	51.7	34	6	AX828993	AX828993 Sequence
c	144	12.4	51.7	35	6	AX201773	AX201773 Sequence
	145	12.4	51.7	36	6	A57684	A57684 Sequence 23
	146	12.4	51.7	36	6	AR073752	AR073752 Sequence
	147	12.4	51.7	37	6	AX581574	AX581574 Sequence
	148	12.4	51.7	38	6	AR026193	AR026193 Sequence
	149	12.4	51.7	38	6	AR026273	AR026273 Sequence
c	150	12.4	51.7	38	6	CQ841221	CQ841221 Sequence
c	151	12.4	51.7	38	6	CQ854826	CQ854826 Sequence
	152	12.4	51.7	38	6	I82935	I82935 Sequence 37
	153	12.4	51.7	38	6	I83015	I83015 Sequence 11
	154	12.4	51.7	38	6	AR431121	AR431121 Sequence
	155	12.4	51.7	38	6	AR431201	AR431201 Sequence
	156	12.4	51.7	38	6	AX828914	AX828914 Sequence
	157	12.4	51.7	38	6	AX828994	AX828994 Sequence
c	158	12.4	51.7	39	6	A77188	A77188 Sequence 16
c	159	12.4	51.7	39	6	I20223	I20223 Sequence 16
	160	12.4	51.7	39	6	AR271622	AR271622 Sequence
c	161	12.4	51.7	39	6	AR366273	AR366273 Sequence
c	162	12.4	51.7	39	6	AR430824	AR430824 Sequence
	163	12.4	51.7	39	6	AR448752	AR448752 Sequence
c	164	12.4	51.7	39	6	AX299494	AX299494 Sequence
	165	12.4	51.7	39	6	AX365589	AX365589 Sequence
	166	12.4	51.7	39	6	AX455835	AX455835 Sequence
c	167	12.4	51.7	39	6	AX546206	AX546206 Sequence
c	168	12.4	51.7	39	6	AX840157	AX840157 Sequence
c	169	12.4	51.7	40	6	BD186540	BD186540 Gene tran
c	170	12.4	51.7	40	6	BD186564	BD186564 Gene tran
c	171	12.4	51.7	40	6	BD092035	BD092035 Vector fo
c	172	12.4	51.7	40	6	BD092085	BD092085 Vector fo
c	173	12.4	51.7	40	6	BD103871	BD103871 Pseudo ty
	174	12.2	50.8	20	6	AR564732	AR564732 Sequence
	175	12.2	50.8	20	6	AR564753	AR564753 Sequence
	176	12.2	50.8	20	6	AX592208	AX592208 Sequence
	177	12.2	50.8	24	6	AX022499	AX022499 Sequence
	178	12.2	50.8	24	6	BD124087	BD124087 Novel nuc
	179	12.2	50.8	25	6	AX609088	AX609088 Sequence
	180	12.2	50.8	25	6	AX609089	AX609089 Sequence
	181	12.2	50.8	25	6	AX609090	AX609090 Sequence
c	182	12.2	50.8	27	6	BD168535	BD168535 Cells pro
c	183	12.2	50.8	27	6	I69279	I69279 Sequence 54
c	184	12.2	50.8	27	6	AR253877	AR253877 Sequence
c	185	12.2	50.8	27	6	AX696932	AX696932 Sequence
	186	12.2	50.8	27	6	AX922585	AX922585 Sequence
	187	12.2	50.8	28	6	AR477213	AR477213 Sequence
	188	12.2	50.8	28	6	AX477510	AX477510 Sequence
	189	12.2	50.8	28	6	BD103197	BD103197 Glial cel
	190	12.2	50.8	29	6	AX613269	AX613269 Sequence
	191	12.2	50.8	31	6	AX248663	AX248663 Sequence
c	192	12.2	50.8	33	6	A70926	A70926 Sequence 6
	193	12.2	50.8	33	6	AR071582	AR071582 Sequence
	194	12.2	50.8	33	6	AR071588	AR071588 Sequence
	195	12.2	50.8	33	6	AX280663	AX280663 Sequence
c	196	12.2	50.8	33	6	AX280664	AX280664 Sequence
c	197	12.2	50.8	33	6	BD003411	BD003411 Soluble p
	198	12.2	50.8	34	6	AX453599	AX453599 Sequence
c	199	12.2	50.8	35	6	A37245	A37245 Sequence 14
c	200	12.2	50.8	35	6	A75917	A75917 Sequence 17
c	201	12.2	50.8	35	6	AR048975	AR048975 Sequence
c	202	12.2	50.8	35	6	AR064276	AR064276 Sequence
c	203	12.2	50.8	35	6	AR164669	AR164669 Sequence
	204	12.2	50.8	36	6	AR335340	AR335340 Sequence
	205	12.2	50.8	36	6	AR336793	AR336793 Sequence
	206	12.2	50.8	39	6	AX614938	AX614938 Sequence
	207	12.2	50.8	40	6	AR042818	AR042818 Sequence
	208	12.2	50.8	40	6	E06328	E06328 Primer. 9/1
	209	12.2	50.8	40	6	E06524	E06524 Primer. 9/1
	210	12.2	50.8	40	6	AR476975	AR476975 Sequence
c	211	12.2	50.8	40	6	AX517113	AX517113 Sequence
c	212	12.2	50.8	40	6	AX519642	AX519642 Sequence
	213	12.2	50.8	40	6	AX538546	AX538546 Sequence
c	214	12.2	50.8	40	6	AX538571	AX538571 Sequence
c	215	12	50.0	17	6	BD259273	BD259273 Regulatio
c	216	12	50.0	17	6	BD259274	BD259274 Regulatio
c	217	12	50.0	17	6	BD259275	BD259275 Regulatio
c	218	12	50.0	17	6	BD259276	BD259276 Regulatio
c	219	12	50.0	17	6	BD259277	BD259277 Regulatio
c	220	12	50.0	20	6	AR100330	AR100330 Sequence
c	221	12	50.0	20	6	AR149985	AR149985 Sequence
c	222	12	50.0	20	6	BD227858	BD227858 Antisense
c	223	12	50.0	21	6	BD266028	BD266028 Universal
c	224	12	50.0	21	6	E38474	E38474 Process for
c	225	12	50.0	21	6	AR530948	AR530948 Sequence
c	226	12	50.0	21	6	AX096973	AX096973 Sequence
c	227	12	50.0	22	6	BD230474	BD230474 Total gen
c	228	12	50.0	22	6	AX117906	AX117906 Sequence
	229	12	50.0	22	6	AX686609	AX686609 Sequence
	230	12	50.0	22	6	AX686612	AX686612 Sequence
	231	12	50.0	22	6	AX686636	AX686636 Sequence
	232	12	50.0	22	6	AX686639	AX686639 Sequence
c	233	12	50.0	22	6	AX763313	AX763313 Sequence
c	234	12	50.0	22	6	AX763645	AX763645 Sequence
c	235	12	50.0	23	6	AX663070	AX663070 Sequence
c	236	12	50.0	24	6	AR129925	AR129925 Sequence
c	237	12	50.0	24	6	BD168691	BD168691 Novel G p
c	238	12	50.0	24	6	BD183799	BD183799 Novel G p

	823	11	45.8	21	6	AR297965 AR297965 Sequence
c	824	11	45.8	21	6	AR481890 AR481890 Sequence
	825	11	45.8	22	6	A61440 A61440 Sequence 9
	826	11	45.8	22	6	AR092324 AR092324 Sequence
	827	11	45.8	22	6	CQ794594 CQ794594 Sequence
	828	11	45.8	22	6	I31000 I31000 Sequence 32
	829	11	45.8	22	6	AR199061 AR199061 Sequence
	830	11	45.8	22	6	AR256612 AR256612 Sequence
c	831	11	45.8	22	6	AR264253 AR264253 Sequence
	832	11	45.8	22	6	AR360323 AR360323 Sequence
	833	11	45.8	22	6	AR361570 AR361570 Sequence
	834	11	45.8	22	6	AR408126 AR408126 Sequence
	835	11	45.8	22	6	AR532244 AR532244 Sequence
	836	11	45.8	22	6	AX031374 AX031374 Sequence
	837	11	45.8	22	6	AX137152 AX137152 Sequence
	838	11	45.8	22	6	AX512531 AX512531 Sequence
c	839	11	45.8	22	6	AX743297 AX743297 Sequence
c	840	11	45.8	22	6	BD014487 BD014487 Transgeni
	841	11	45.8	22	6	BD015076 BD015076 Continuou
	842	11	45.8	22	6	BD074769 BD074769 Mutation
c	843	11	45.8	23	6	AR038112 AR038112 Sequence
c	844	11	45.8	23	6	AR095434 AR095434 Sequence
c	845	11	45.8	23	6	E12766 E12766 PCR primer
c	846	11	45.8	23	6	E14516 E14516 PCR primer
c	847	11	45.8	23	6	E16751 E16751 Primer. 7/1
	848	11	45.8	23	6	AX119436 AX119436 Sequence
c	849	11	45.8	23	6	AX675167 AX675167 Sequence
	850	11	45.8	23	6	AX710079 AX710079 Sequence
	851	11	45.8	24	6	AR061113 AR061113 Sequence
	852	11	45.8	24	6	AR064686 AR064686 Sequence
	853	11	45.8	24	6	BD171502 BD171502 Laccase g
c	854	11	45.8	24	6	BD179499 BD179499 Peptide-c
c	855	11	45.8	24	6	BD237802 BD237802 Utilizati
	856	11	45.8	24	6	BD251758 BD251758 Diagnosis
c	857	11	45.8	24	6	E44040 E44040 Novel G pro
c	858	11	45.8	24	6	AR239466 AR239466 Sequence
	859	11	45.8	24	6	AR285598 AR285598 Sequence
c	860	11	45.8	24	6	AR481889 AR481889 Sequence
	861	11	45.8	24	6	AR528351 AR528351 Sequence
c	862	11	45.8	24	6	AX279268 AX279268 Sequence
	863	11	45.8	24	6	AX291936 AX291936 Sequence
	864	11	45.8	24	6	BD091038 BD091038 Novel pro
c	865	11	45.8	24	6	BD093226 BD093226 Process f
	866	11	45.8	24	6	BD102341 BD102341 Novel pro
	867	11	45.8	25	6	A17410 A17410 oligonucleo
c	868	11	45.8	25	6	A30005 A30005 Synthetic H
c	869	11	45.8	25	6	A30576 A30576 Synthetic m
	870	11	45.8	25	6	AR028127 AR028127 Sequence
	871	11	45.8	25	6	AR030303 AR030303 Sequence
	872	11	45.8	25	6	CQ863216 CQ863216 Sequence
c	873	11	45.8	25	6	CQ863722 CQ863722 Sequence
c	874	11	45.8	25	6	CQ864832 CQ864832 Sequence
	875	11	45.8	25	6	I42122 I42122 Sequence 17
	876	11	45.8	26	6	AR131416 AR131416 Sequence
c	877	11	45.8	26	6	BD174259 BD174259 Novel phi
c	878	11	45.8	26	6	BD229222 BD229222 Genotype
	879	11	45.8	26	6	CQ755674 CQ755674 Sequence
	880	11	45.8	26	6	CQ757880 CQ757880 Sequence
	881	11	45.8	26	6	CQ827166 CQ827166 Sequence
	882	11	45.8	26	6	I79521 I79521 Sequence 12
c	883	11	45.8	26	6	AR349474 AR349474 Sequence
	884	11	45.8	26	6	AX412228 AX412228 Sequence
c	885	11	45.8	26	6	AX592010 AX592010 Sequence
c	886	11	45.8	26	6	AX592028 AX592028 Sequence
	887	11	45.8	26	6	AX764708 AX764708 Sequence
c	888	11	45.8	26	6	AX818062 AX818062 Sequence
	889	11	45.8	26	6	BD001807 BD001807 Immunogen
c	890	11	45.8	27	6	A59674 A59674 Sequence 5
c	891	11	45.8	27	6	A83168 A83168 Sequence 1
c	892	11	45.8	27	6	A83173 A83173 Sequence 6
c	893	11	45.8	27	6	AR112496 AR112496 Sequence
	894	11	45.8	27	6	AR143752 AR143752 Sequence
	895	11	45.8	27	6	AR148428 AR148428 Sequence
c	896	11	45.8	27	6	BD179498 BD179498 Peptide-c
c	897	11	45.8	27	6	BD188545 BD188545 Method fo
	898	11	45.8	27	6	E16006 E16006 PCR primer
c	899	11	45.8	27	6	E34431 E34431 Inductive p
c	900	11	45.8	27	6	E44039 E44039 Novel G pro
c	901	11	45.8	27	6	I23812 I23812 Sequence 30
	902	11	45.8	27	6	I69018 I69018 Sequence 28
	903	11	45.8	27	6	AR185491 AR185491 Sequence
	904	11	45.8	27	6	AR185516 AR185516 Sequence
	905	11	45.8	27	6	AR185607 AR185607 Sequence
	906	11	45.8	27	6	AR185672 AR185672 Sequence
	907	11	45.8	27	6	AR190866 AR190866 Sequence
	908	11	45.8	27	6	AR253616 AR253616 Sequence
c	909	11	45.8	27	6	AR337969 AR337969 Sequence
	910	11	45.8	27	6	AR403069 AR403069 Sequence
c	911	11	45.8	27	6	AR481888 AR481888 Sequence
c	912	11	45.8	27	6	AX342538 AX342538 Sequence
	913	11	45.8	27	6	AX349935 AX349935 Sequence
c	914	11	45.8	27	6	AX490644 AX490644 Sequence
	915	11	45.8	27	6	AX696671 AX696671 Sequence
	916	11	45.8	27	6	BD068569 BD068569 Enzymatic
c	917	11	45.8	27	6	BD082834 BD082834 Method an
c	918	11	45.8	27	6	BD082839 BD082839 Method an
	919	11	45.8	28	6	A39907 A39907 Sequence 5
	920	11	45.8	28	6	BD136688 BD136688 Productio
c	921	11	45.8	28	6	CQ816257 CQ816257 Sequence
	922	11	45.8	28	6	I34464 I34464 Sequence 5
	923	11	45.8	28	6	AR455383 AR455383 Sequence
	924	11	45.8	28	6	AX018937 AX018937 Sequence
	925	11	45.8	29	6	AR090079 AR090079 Sequence
c	926	11	45.8	29	6	BD160913 BD160913 Compound
c	927	11	45.8	29	6	BD186392 BD186392 Peptides
	928	11	45.8	29	6	BD243719 BD243719 Assaying
	929	11	45.8	29	6	AR197114 AR197114 Sequence
c	930	11	45.8	29	6	AR208073 AR208073 Sequence
	931	11	45.8	29	6	AR259268 AR259268 Sequence
	932	11	45.8	29	6	AR277940 AR277940 Sequence
	933	11	45.8	29	6	AR565517 AR565517 Sequence
	934	11	45.8	29	6	AX188493 AX188493 Sequence
	935	11	45.8	30	6	AR053181 AR053181 Sequence
c	936	11	45.8	30	6	BD179497 BD179497 Peptide-c
c	937	11	45.8	30	6	BD188952 BD188952 Protein c
c	938	11	45.8	30	6	BD190380 BD190380 Novel G p
	939	11	45.8	30	6	CQ814595 CQ814595 Sequence
c	940	11	45.8	30	6	E16938 E16938 Linker DNA.
c	941	11	45.8	30	6	E44038 E44038 Novel G pro
c	942	11	45.8	30	6	AR275720 AR275720 Sequence
c	943	11	45.8	30	6	AR408908 AR408908 Sequence
c	944	11	45.8	30	6	AR481887 AR481887 Sequence
c	945	11	45.8	30	6	AX083534 AX083534 Sequence
c	946	11	45.8	30	6	AX167407 AX167407 Sequence
c	947	11	45.8	30	6	AX195804 AX195804 Sequence
c	948	11	45.8	30	6	AX460818 AX460818 Sequence
	949	11	45.8	30	6	AX521627 AX521627 Sequence
	950	11	45.8	30	6	AX546657 AX546657 Sequence
c	951	11	45.8	30	6	AX717491 AX717491 Sequence
c	952	11	45.8	30	6	AX792236 AX792236 Sequence
c	953	11	45.8	30	6	AX792740 AX792740 Sequence
	954	11	45.8	30	6	AX793065 AX793065 Sequence
	955	11	45.8	30	6	BD004262 BD004262 Method fo
c	956	11	45.8	30	6	BD004263 BD004263 Method fo
	957	11	45.8	31	6	AR195954 AR195954 Sequence
c	958	11	45.8	31	6	AX248234 AX248234 Sequence
	959	11	45.8	31	6	AX704514 AX704514 Sequence
c	960	11	45.8	31	6	BD002949 BD002949 Gene comp
c	961	11	45.8	32	6	AX247499 AX247499 Sequence
	962	11	45.8	32	6	BD013351 BD013351 Herbicide
	963	11	45.8	33	6	AR095602 AR095602 Sequence
c	964	11	45.8	33	6	I65281 I65281 Sequence 3
c	965	11	45.8	33	6	AR534856 AR534856 Sequence
	966	11	45.8	33	6	AX709034 AX709034 Sequence
	967	11	45.8	34	6	AR138235 AR138235 Sequence
c	968	11	45.8	34	6	CQ766015 CQ766015 Sequence

969	11	45.8	34	6	AR541535	AR541535 Sequence
970	11	45.8	34	6	AR541538	AR541538 Sequence
c 971	11	45.8	34	6	AX817927	AX817927 Sequence
c 972	11	45.8	35	11	C75828	C75828 Homo sapien
973	11	45.8	36	6	BD174027	BD174027 Remedy fo
974	11	45.8	36	6	E16937	E16937 Linker DNA.
975	11	45.8	36	6	BD012772	BD012772 Agent for
976	11	45.8	37	6	AR120419	AR120419 Sequence
977	11	45.8	37	6	AR341110	AR341110 Sequence
c 978	11	45.8	37	6	AX472706	AX472706 Sequence
979	11	45.8	37	6	BD063428	BD063428 Streptoco
c 980	11	45.8	38	6	AR080276	AR080276 Sequence
c 981	11	45.8	38	6	CQ816213	CQ816213 Sequence
c 982	11	45.8	38	6	AR364198	AR364198 Sequence
c 983	11	45.8	38	6	AX316604	AX316604 Sequence
984	11	45.8	39	6	AX398737	AX398737 Sequence
985	11	45.8	40	6	AR279508	AR279508 Sequence
986	11	45.8	40	6	AX025254	AX025254 Sequence
c 987	11	45.8	40	6	AX316602	AX316602 Sequence
c 988	11	45.8	40	6	AX456379	AX456379 Sequence
c 989	10.8	45.0	15	6	A88048	A88048 Sequence 19
c 990	10.8	45.0	15	6	A90015	A90015 Sequence 19
991	10.8	45.0	15	6	AR235561	AR235561 Sequence
c 992	10.8	45.0	15	6	BD065561	BD065561 An antise
993	10.8	45.0	16	6	AR235559	AR235559 Sequence
c 994	10.8	45.0	17	6	BD198620	BD198620 Method an
c 995	10.8	45.0	17	6	AX671710	AX671710 Sequence
996	10.8	45.0	17	6	AX672327	AX672327 Sequence
997	10.8	45.0	17	6	AX728595	AX728595 Sequence
c 998	10.8	45.0	17	6	AX731777	AX731777 Sequence
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ALIGNMENTS

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DEFINITION  Sequence 1 from Patent EP1447454.
ACCESSION   CQ849463
VERSION     CQ849463.1  GI:51507468
KEYWORDS    .
SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Lin,C.P., Chen,C.A., Chen,M.Y. and Huang,M.Y.
  TITLE     Method and apparatus for detecting pathogens
  JOURNAL   Patent: EP 1447454-A 1 18-AUG-2004;
            DR. Chip Biotechnology Incorporation (TW)
FEATURES             Location/Qualifiers
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RESULT 2
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LOCUS       AX781565                 24 bp    DNA     linear   PAT 17-JUL-2003
DEFINITION  Sequence 3 from Patent EP1321530.
ACCESSION   AX781565
VERSION     AX781565.1  GI:32949412
KEYWORDS    .
SOURCE      Escherichia coli
  ORGANISM  Escherichia coli
            Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
            Enterobacteriaceae; Escherichia.
REFERENCE   1
  AUTHORS   Liu,L.Y., Chung,T.Y. and Terng,H.J.
  TITLE     Method for detecting Escherichia coli
  JOURNAL   Patent: EP 1321530-A 3 25-JUN-2003;
            Dr. Chip Biotechnology Incorporation (TW)
FEATURES             Location/Qualifiers
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RESULT 3
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DEFINITION  Sequence 1 from Patent EP1321530.
ACCESSION   AX781563
VERSION     AX781563.1  GI:32949410
KEYWORDS    .
SOURCE      Escherichia coli
  ORGANISM  Escherichia coli
            Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
            Enterobacteriaceae; Escherichia.
REFERENCE   1
  AUTHORS   Liu,L.Y., Chung,T.Y. and Terng,H.J.
  TITLE     Method for detecting Escherichia coli
  JOURNAL   Patent: EP 1321530-A 1 25-JUN-2003;
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Db          1 CGCAAGCTGAAAAAGTAG 18


RESULT 4
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DEFINITION  Sequence 7 from patent US 5580788.
ACCESSION   I30484
VERSION     I30484.1  GI:1821275
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 30)
  AUTHORS   Kihira,Y. and Aiba,S.
  TITLE     Use of immunoglogulin-binding artificial proteins as molecular
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GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: April 15, 2005, 16:34:35 ; Search time 227.429 Seconds
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Title: US-10-025-137B-3
Perfect score: 24
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 4390206 seqs, 2959870667 residues

Total number of hits satisfying chosen parameters: 3916100

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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	6	14.6	60.8	30	6	AAH99984	Aah99984 3' end pr
c	7	14.6	60.8	31	13	ADS12568	Ads12568 PCR prime
c	8	14.2	59.2	26	2	AAT28484	Aat28484 M. catarr
	9	14.2	59.2	26	2	AAX99986	Aax99986 PCR prime
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	14	13.8	57.5	27	12	ADJ46674	Adj46674 Lactobaci
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c	34	13.4	55.8	20	10	ADE78589	Ade78589 Endogenou
c	35	13.4	55.8	24	13	ADR73318	Adr73318 Thale cre
	36	13.4	55.8	27	2	AAX72404	Aax72404 Mouse flk
	37	13.4	55.8	29	2	AAT09344	Aat09344 Activator
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	47	13.4	55.8	34	10	ADF50545	Adf50545 Mutagenic
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Aav63325 PCR prime
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	230	12.2	50.8	20	10	ADJ83180
c	231	12.2	50.8	20	12	ADK72834
c	232	12.2	50.8	20	12	ADK72791
	233	12.2	50.8	20	12	ADL00814
	234	12.2	50.8	20	12	ADL00825
	235	12.2	50.8	20	12	ADM93686
	236	12.2	50.8	22	10	ADC13654
c	237	12.2	50.8	22	12	ADM11175
	238	12.2	50.8	24	2	AAX86548
	239	12.2	50.8	24	4	AAS03680

Ado39313 Human NOV
Aah39466 SNP speci
Abx68648 Novel Hel
Adc83911 Human pap
Adf43784 HPV 33 de
Adp29174 Human sec
Adp08459 PCR prime
Aal43371 Green flu
Acc69230 Fusion pr
Acf57358 Variable
Aal50218 Mitochond
Aaz28380 PCR prime
Aax22908 DE1973659
Aaa91792 HPV 33 pr
Aah19768 Nucleotid
Aah19769 Nucleotid
Aad11145 Antisense
Abq79663 Human pap
Aad29660 Aequorea
Aba05494 Human arg
Acc00190 Primer #4
Adc59494 Inosine t
Add68786 Aequorea
Ado06569 A victori
Aaa59298 PCR prime
Adf76036 RNA PCR p
Adf75956 DNA PCR p
Aaq74517 Primer fo
Aaq74608 Primer fo
Aah42700 PCR prime
Aad45915 Jelly fis
Acc69212 Fusion pr
Acc69226 Fusion pr
Aat48063 Primer oT
Aax91903 Porphorym
Abk59041 Human CLC
Adf76037 RNA PCR p
Adf75957 DNA PCR p
Adq25712 TM1271 pr
Aaq74609 Primer fo
Aaq74518 Primer fo
Aba91387 Enhanced
Abl58428 eGFP DNA
Abl55726 Saccharom
Abk48601 PCR prime
Aad46327 Enhanced
Adg31744 PCR prime
Add93561 Enhanced
Abq80287 eGFP prim
Adi39008 Enhanced
Aaf27355 PCR prime
Aaf27305 CMV promo
Abl34665 Membrane
Abx11707 Primer #4
Abx11683 Primer #1
Adf51398 Zebra fis
Aax33745 DNA tande
Aax33766 DNA tande
Aaz02139 PCR prime
Abs51129 Human NOV
Abt13066 Human apo
Ade28941 Reverse A
Adh93254 Human gen
Adj83180 RT-PCR pr
Adk72834 Chimeric
Adk72791 Chimeric
Adl00814 Human VEG
Adl00825 Human VEG
Adm93686 Human NOV
Adc13654 Human NOV
Adm11175 PCR prime
Aax86548 Primer re
Aas03680 PCR prime

	824	11.4	47.5	27	2	AAT59714	Aat59714 Primer #1
c	825	11.4	47.5	27	2	AAX09602	Aax09602 Human bia
c	826	11.4	47.5	27	2	AAV69388	Aav69388 Human ATG
	827	11.4	47.5	27	2	AAV95991	Aav95991 Solanidin
c	828	11.4	47.5	27	2	AAX34666	Aax34666 Human ATG
	829	11.4	47.5	27	3	AAZ62380	Aaz62380 Hammerhea
	830	11.4	47.5	27	3	AAA10467	Aaa10467 Conotoxin
c	831	11.4	47.5	27	5	AAF61793	Aaf61793 B. brevis
c	832	11.4	47.5	27	13	ADR38108	Adr38108 Siderofle
c	833	11.4	47.5	27	13	ADR38121	Adr38121 Siderofle
c	834	11.4	47.5	27	13	ADR38125	Adr38125 Siderofle
c	835	11.4	47.5	27	13	ADR38126	Adr38126 Siderofle
	836	11.4	47.5	28	3	AAA96686	Aaa96686 PCR prime
c	837	11.4	47.5	28	6	ABN85834	Abn85834 Related t
	838	11.4	47.5	29	2	AAQ45316	Aaq45316 Yeast tra
	839	11.4	47.5	29	2	AAA17775	Aaa17775 Human TIE
	840	11.4	47.5	29	2	AAA19295	Aaa19295 Integrin
c	841	11.4	47.5	29	2	AAX90865	Aax90865 Oligonucl
	842	11.4	47.5	29	3	AAF05840	Aaf05840 Hammerhea
	843	11.4	47.5	29	12	ADP47690	Adp47690 Drill dow
	844	11.4	47.5	29	12	ADQ60048	Adq60048 Drill-dow
c	845	11.4	47.5	30	2	AAQ35990	Aaq35990 VL2, Ox V
	846	11.4	47.5	30	2	AAQ32897	Aaq32897 Human apo
	847	11.4	47.5	30	2	AAQ58041	Aaq58041 Tyrosinas
	848	11.4	47.5	30	2	AAQ58043	Aaq58043 Tyrosinas
	849	11.4	47.5	30	2	AAT14673	Aat14673 Primer BB
c	850	11.4	47.5	30	2	AAV04934	Aav04934 Single ch
c	851	11.4	47.5	30	6	ABX67333	Abx67333 Novel Hel
	852	11.4	47.5	30	6	ABX69464	Abx69464 Novel Hel
c	853	11.4	47.5	30	6	ABX69970	Abx69970 Novel Hel
c	854	11.4	47.5	30	6	ABX69761	Abx69761 Novel Hel
c	855	11.4	47.5	30	6	ABS53587	Abs53587 Human sec
c	856	11.4	47.5	30	6	ABK11597	Abk11597 PCR prime
c	857	11.4	47.5	30	10	ADD22768	Add22768 Filamento
c	858	11.4	47.5	30	11	ADM47016	Adm47016 Ogataea m
	859	11.4	47.5	30	11	ADM41030	Adm41030 Mouse s-d
	860	11.4	47.5	30	12	ADO84855	Ado84855 Bacteria
	861	11.4	47.5	30	12	ADO84853	Ado84853 Bacteria
	862	11.4	47.5	30	12	ADP07953	Adp07953 Human RAD
	863	11.4	47.5	31	2	AAX39075	Aax39075 Human gen
	864	11.4	47.5	31	2	AAX38836	Aax38836 Human gen
	865	11.4	47.5	31	6	ABN87614	Abn87614 Lac opera
c	866	11.4	47.5	31	6	ABN87615	Abn87615 Lac opera
	867	11.4	47.5	31	13	ADR27808	Adr27808 SOD2 gene
	868	11.4	47.5	32	2	AAQ96065	Aaq96065 Primer fo
	869	11.4	47.5	33	2	AAQ53485	Aaq53485 PCR prime
	870	11.4	47.5	33	2	AAQ92078	Aaq92078 PCR prime
	871	11.4	47.5	33	2	AAQ92080	Aaq92080 PCR prime
	872	11.4	47.5	33	3	AAA74818	Aaa74818 Human IFN
	873	11.4	47.5	33	4	AAF56641	Aaf56641 Human alp
	874	11.4	47.5	33	4	AAI68366	Aai68366 Human imm
	875	11.4	47.5	33	6	ABK12610	Abk12610 Human max
c	876	11.4	47.5	33	6	ABS61380	Abs61380 Plasmid p
c	877	11.4	47.5	33	8	ABZ09357	Abz09357 Human oli
c	878	11.4	47.5	33	10	ABZ78810	Abz78810 Tumour su
	879	11.4	47.5	33	10	ADK69937	Adk69937 Caldesmon
c	880	11.4	47.5	33	12	ADP74197	Adp74197 Homo-FRET
	881	11.4	47.5	33	13	ADQ82313	Adq82313 2-O sulfa
	882	11.4	47.5	33	13	ADQ82311	Adq82311 2-O sulfa
	883	11.4	47.5	34	2	AAT11397	Aat11397 Cytochrom
	884	11.4	47.5	34	2	AAT11399	Aat11399 Cytochrom
	885	11.4	47.5	34	2	AAT11395	Aat11395 Cytochrom
	886	11.4	47.5	34	2	AAV44182	Aav44182 Human cyt
	887	11.4	47.5	34	2	AAV44180	Aav44180 Human cyt
	888	11.4	47.5	34	2	AAV44184	Aav44184 Human cyt
c	889	11.4	47.5	34	3	AAA54000	Aaa54000 PCR prime
	890	11.4	47.5	34	4	AAH45854	Aah45854 Hammerhea
c	891	11.4	47.5	34	9	AAL57653	Aal57653 Reverse E
c	892	11.4	47.5	35	2	AAT04399	Aat04399 Phage R40
	893	11.4	47.5	35	6	AAD21977	Aad21977 ScFv vari
c	894	11.4	47.5	35	13	ADQ82019	Adq82019 Mutagenic
c	895	11.4	47.5	36	2	AAV27516	Aav27516 Streptoco
c	896	11.4	47.5	36	6	ABQ84984	Abq84984 Streptoco
c	897	11.4	47.5	36	10	ADC45387	Adc45387 S. pneumo
c	898	11.4	47.5	36	10	ADD50061	Add50061 Protein Z
c	899	11.4	47.5	36	10	ADD50063	Add50063 Protein Z
c	900	11.4	47.5	36	10	ADD50065	Add50065 Protein Z
c	901	11.4	47.5	37	2	AAT18769	Aat18769 Interleuk
	902	11.4	47.5	37	3	AAZ94326	Aaz94326 Rat chole
	903	11.4	47.5	37	3	AAZ94328	Aaz94328 Rat chole
c	904	11.4	47.5	37	6	AAD33429	Aad33429 E. coli g
	905	11.4	47.5	37	8	ABX63904	Abx63904 PCR prime
	906	11.4	47.5	37	8	ABX63902	Abx63902 PCR prime
	907	11.4	47.5	37	12	ADJ63916	Adj63916 Plant lip
	908	11.4	47.5	38	2	AAT73364	Aat73364 Konjak mo
	909	11.4	47.5	38	10	ADF13736	Adf13736 PCR prime
	910	11.4	47.5	38	12	ADJ63932	Adj63932 Plant lip
	911	11.4	47.5	39	3	AAZ94191	Aaz94191 Human GAB
	912	11.4	47.5	39	4	AAF77881	Aaf77881 Human GAB
c	913	11.4	47.5	39	9	AAL60938	Aal60938 Trichoder
c	914	11.4	47.5	39	10	ADJ87865	Adj87865 G-coupled
c	915	11.4	47.5	39	10	ADJ87841	Adj87841 G-coupled
c	916	11.4	47.5	39	10	ADJ87847	Adj87847 G-coupled
c	917	11.4	47.5	39	12	ADO56046	Ado56046 Human NOV
c	918	11.4	47.5	39	12	ADO56032	Ado56032 Human NOV
c	919	11.4	47.5	40	2	AAQ51175	Aaq51175 DNA fragm
c	920	11.4	47.5	40	3	AAA15118	Aaa15118 Oligonucl
c	921	11.4	47.5	40	12	ADI23604	Adi23604 CMV promo
c	922	11.4	47.5	40	12	ADP70466	Adp70466 Codon opt
	923	11.4	47.5	40	12	ADP70467	Adp70467 Codon opt
c	924	11.2	46.7	17	2	AAX73288	Aax73288 Mouse flk
c	925	11.2	46.7	17	6	ACN13309	Acn13309 WNV minus
	926	11.2	46.7	17	6	ACN03757	Acn03757 WNV Zinzy
	927	11.2	46.7	17	8	ABT35396	Abt35396 Tumour su
c	928	11.2	46.7	18	3	AAA10722	Aaa10722 PCR prime
	929	11.2	46.7	18	11	ADM77398	Adm77398 Human fib
c	930	11.2	46.7	19	6	ABN88119	Abn88119 Caenorhab
	931	11.2	46.7	19	13	ADR82002	Adr82002 Hepatitis
	932	11.2	46.7	19	13	ADR81754	Adr81754 Hepatitis
	933	11.2	46.7	20	2	AAQ94236	Aaq94236 Guayule r
	934	11.2	46.7	20	2	AAT32689	Aat32689 C/EBP bin
c	935	11.2	46.7	20	2	AAT32689	Aat32689 C/EBP bin
	936	11.2	46.7	20	2	AAT74130	Aat74130 Guayule r
	937	11.2	46.7	20	2	AAV46005	Aav46005 Immune ad
c	938	11.2	46.7	20	2	AAV46005	Aav46005 Immune ad
	939	11.2	46.7	20	2	AAV20763	Aav20763 Guar gum
	940	11.2	46.7	20	2	AAZ25682	Aaz25682 Transcrip
c	941	11.2	46.7	20	2	AAZ25682	Aaz25682 Transcrip
	942	11.2	46.7	20	2	AAZ04863	Aaz04863 PCR prime
	943	11.2	46.7	20	2	AAX89506	Aax89506 Probe for
c	944	11.2	46.7	20	2	AAX89506	Aax89506 Probe for
c	945	11.2	46.7	20	2	AAX94997	Aax94997 PCR prime
	946	11.2	46.7	20	2	AAX95763	Aax95763 PCR prime
c	947	11.2	46.7	20	3	AAZ57077	Aaz57077 Murine me
	948	11.2	46.7	20	3	AAA53297	Aaa53297 Fluoresce
c	949	11.2	46.7	20	3	AAA53297	Aaa53297 Fluoresce
	950	11.2	46.7	20	3	AAA27522	Aaa27522 Electroph
c	951	11.2	46.7	20	3	AAA27522	Aaa27522 Electroph
	952	11.2	46.7	20	3	AAA27523	Aaa27523 Electroph
c	953	11.2	46.7	20	3	AAA27523	Aaa27523 Electroph
	954	11.2	46.7	20	3	AAZ89652	Aaz89652 Rabbit C/
c	955	11.2	46.7	20	3	AAZ89652	Aaz89652 Rabbit C/
	956	11.2	46.7	20	3	AAC63685	Aac63685 Guayule r
c	957	11.2	46.7	20	4	AAF32931	Aaf32931 Human B7-
	958	11.2	46.7	20	4	AAH26604	Aah26604 C/EPB oli
c	959	11.2	46.7	20	4	AAH26604	Aah26604 C/EPB oli
	960	11.2	46.7	20	4	AAF87561	Aaf87561 Consensus
c	961	11.2	46.7	20	4	AAF87561	Aaf87561 Consensus
c	962	11.2	46.7	20	4	AAF76163	Aaf76163 Human int
	963	11.2	46.7	20	6	ABK99782	Abk99782 Mouse RAI
	964	11.2	46.7	20	6	ABX04214	Abx04214 Human COL
c	965	11.2	46.7	20	6	ABZ31546	Abz31546 Candida a
c	966	11.2	46.7	20	6	ABL94291	Abl94291 Human C/E
	967	11.2	46.7	20	6	AAL39242	Aal39242 Murine To
c	968	11.2	46.7	20	6	AAL39242	Aal39242 Murine To
c	969	11.2	46.7	20	6	ABK97910	Abk97910 Lawsonia

970	11.2	46.7	20	8	ACF03629	Acf03629 Human NOV
c 971	11.2	46.7	20	8	ACC42599	Acc42599 Human int
972	11.2	46.7	20	8	ABT17183	Abt17183 Transcrip
c 973	11.2	46.7	20	8	ABT17183	Abt17183 Transcrip
974	11.2	46.7	20	8	ABT17182	Abt17182 Transcrip
c 975	11.2	46.7	20	8	ABT17182	Abt17182 Transcrip
976	11.2	46.7	20	10	ADC60794	Adc60794 Cis eleme
c 977	11.2	46.7	20	10	ADC60794	Adc60794 Cis eleme
978	11.2	46.7	20	10	ADC60795	Adc60795 Cis eleme
c 979	11.2	46.7	20	10	ADC60795	Adc60795 Cis eleme
980	11.2	46.7	20	10	ADD42291	Add42291 Human inf
c 981	11.2	46.7	20	10	ADE27866	Ade27866 Human B7-
c 982	11.2	46.7	20	10	ADE11082	Ade11082 Bacterial
983	11.2	46.7	20	10	ADF18756	Adf18756 Mouse HNF
c 984	11.2	46.7	20	10	ADF18756	Adf18756 Mouse HNF
985	11.2	46.7	20	10	ADF48565	Adf48565 Cis-eleme
c 986	11.2	46.7	20	10	ADF48565	Adf48565 Cis-eleme
987	11.2	46.7	20	10	ADF48564	Adf48564 Cis-eleme
c 988	11.2	46.7	20	10	ADF48564	Adf48564 Cis-eleme
989	11.2	46.7	20	10	ADG31628	Adg31628 PCR prime
990	11.2	46.7	20	10	ABZ93212	Abz93212 Human oli
c 991	11.2	46.7	20	10	ABZ86350	Abz86350 Human oli
992	11.2	46.7	20	10	ABZ93213	Abz93213 Human oli
993	11.2	46.7	20	10	ABZ90814	Abz90814 Human oli
994	11.2	46.7	20	10	ABZ91171	Abz91171 Human oli
995	11.2	46.7	20	10	ACF36818	Acf36818 Immunosti
c 996	11.2	46.7	20	10	ACF36818	Acf36818 Immunosti
c 997	11.2	46.7	20	11	ABD22580	Abd22580 Human cat
998	11.2	46.7	20	11	ABD27401	Abd27401 H05893-de
999	11.2	46.7	20	11	ABD29443	Abd29443 H87536-de
1000	11.2	46.7	20	11	ABD29442	Abd29442 H87536-de

ALIGNMENTS

RESULT 1
ADD28212
ID ADD28212 standard; DNA; 24 BP.
XX
AC ADD28212;
XX
DT 15-JAN-2004 (first entry)
XX
DE E. coli-specific PCR primer #3 used in detection method.
XX
KW Escherichia coli detection; microorganism; water sample; food sample;
KW biological specimen; E. coli detection; PCR; primer; ss.
XX
OS Escherichia coli.
XX
PN US2003113731-A1.
XX
PD 19-JUN-2003.
XX
PF 19-DEC-2001; 2001US-00025137.
XX
PR 19-DEC-2001; 2001US-00025137.
XX
PA (LIUL/) LIU L.
PA (CHUN/) CHUNG T.
PA (TERN/) TERNG H.
XX
PI Liu L, Chung T, Terng H;
XX
DR WPI; 2003-810889/76.
XX
PT Detecting Escherichia coli in water sample, food sample or biological
PT sample by amplifying the nucleic acid from the microorganism, and
PT detecting the amplification product.
XX
PS Claim 1; Page 1; 9pp; English.
XX
CC The present invention relates to a method for detecting Escherichia coli.
CC The method involves providing a sample having a nucleic acid from an
CC unknown microorganism, amplifying the nucleic acid with an upstream
CC primer and a down stream primer, each primer being 18-40 nucleotides in
CC length and detecting an amplification product, where detection of the
CC amplification product indicates the presence of E. coli. The invention
CC also discloses E. coli-specific probes. The method of the invention is
CC useful for detecting E. coli in water samples, food samples or biological
CC specimens such as a specimen from a patient. The method is a fast,
CC accurate, and sensitive method for E. coli detection. The present
CC sequence represents an E. coli-specific PCR primer used in the method of
CC the invention.
XX
SQ Sequence 24 BP; 10 A; 3 C; 7 G; 4 T; 0 U; 0 Other;

Query Match 100.0%; Score 24; DB 10; Length 24;
Best Local Similarity 100.0%; Pred. No. 0.43;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 TGAATGCGCAAGCTGAAAAAGTAG 24
||||||||||||||||||||||||
Db 1 TGAATGCGCAAGCTGAAAAAGTAG 24

RESULT 2
ADR23449
ID ADR23449 standard; DNA; 24 BP.
XX
AC ADR23449;
XX
DT 04-NOV-2004 (first entry)
XX
DE PCR primer N1 for detecting E coli by novel detection method.
XX
KW ss; primer; assay; pathogen; hybridization; Staphylococcus;
KW Escherichia coli; Salmonella; food; cosmetic; pharmaceuticals;
KW PCR primer.
XX
OS Escherichia coli.
XX
PN EP1447454-A1.
XX
PD 18-AUG-2004.
XX
PF 14-FEB-2003; 2003EP-00003407.
XX
PR 14-FEB-2003; 2003EP-00003407.
XX
PA (CHIP-) CHIP BIOTECHNOLOGY INC.
XX
PI Lin C, Chen C, Chen M, Huang M;
XX
DR WPI; 2004-595623/58.
XX
PT Determining pathogen in sample e.g. food, by amplifying sample nucleic
PT acid using pathogen-specific primers, transferring amplified sequence to
PT carrier having sequence complementary to target sequence and detecting
PT hybridization pattern.
XX
PS Disclosure; SEQ ID NO 1; 21pp; English.
XX
CC The invention relates to an assay (M1) for determining presence/absence
CC of pathogen in sample by specifically amplifying a target nucleic acid
CC obtained from sample using pathogen-specific primers, transferring
CC amplified sequence to a carrier that contains on its pre-selected
CC locations a sequence complementary to amplified sequence and detecting
CC hybridization at any locations, where pattern of detected hybridization
CC signals is indicative of presence/absence of given pathogen. (M1) is
CC useful for determining in a sample, the presence or absence of a pathogen
CC chosen from the genus Staphylococcus, Escherichia coli and Salmonella, in
CC a product material such as food, cosmetics or pharmaceuticals. This
CC sequence represents a PCR primer used in the method to detect an
CC Escherichia coli organism.

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XX
SQ   Sequence 24 BP; 10 A; 3 C; 7 G; 4 T; 0 U; 0 Other;

  Query Match            100.0%;  Score 24;  DB 13;  Length 24;
  Best Local Similarity  100.0%;  Pred. No. 0.43;
  Matches   24;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 TGAATGCGCAAGCTGAAAAAGTAG 24
              ||||||||||||||||||||||||
Db          1 TGAATGCGCAAGCTGAAAAAGTAG 24


RESULT 3
ADD28221
ID   ADD28221 standard; DNA; 18 BP.
XX
AC   ADD28221;
XX
DT   15-JAN-2004  (first entry)
XX
DE   E. coli-specific PCR primer #1 used in detection method.
XX
KW   Escherichia coli detection; microorganism; water sample; food sample;
KW   biological specimen; E. coli detection; PCR; primer; ss.
XX
OS   Escherichia coli.
XX
PN   US2003113731-A1.
XX
PD   19-JUN-2003.
XX
PF   19-DEC-2001; 2001US-00025137.
XX
PR   19-DEC-2001; 2001US-00025137.
XX
PA   (LIUL/) LIU L.
PA   (CHUN/) CHUNG T.
PA   (TERN/) TERNG H.
XX
PI   Liu L,  Chung T,  Terng H;
XX
DR   WPI; 2003-810889/76.
XX
PT   Detecting Escherichia coli in water sample, food sample or biological
PT   sample by amplifying the nucleic acid from the microorganism, and
PT   detecting the amplification product.
XX
PS   Claim 1; Page 1; 9pp; English.
XX
CC   The present invention relates to a method for detecting Escherichia coli.
CC   The method involves providing a sample having a nucleic acid from an
CC   unknown microorganism, amplifying the nucleic acid with an upstream
CC   primer and a down stream primer, each primer being 18-40 nucleotides in
CC   length and detecting an amplification product, where detection of the
CC   amplification product indicates the presence of E. coli. The invention
CC   also discloses E. coli-specific probes. The method of the invention is
CC   useful for detecting E. coli in water samples, food samples or biological
CC   specimens such as a specimen from a patient. The method is a fast,
CC   accurate, and sensitive method for E. coli detection. The present
CC   sequence represents an E. coli-specific PCR primer used in the method of
CC   the invention.
XX
SQ   Sequence 18 BP; 8 A; 3 C; 5 G; 2 T; 0 U; 0 Other;

  Query Match            75.0%;  Score 18;  DB 10;  Length 18;
  Best Local Similarity  100.0%;  Pred. No. 2.1e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          7 CGCAAGCTGAAAAAGTAG 24
              ||||||||||||||||||
Db          1 CGCAAGCTGAAAAAGTAG 18


RESULT 4
AAC83674/c
ID   AAC83674 standard; DNA; 21 BP.
XX
AC   AAC83674;
XX
DT   02-MAR-2001  (first entry)
XX
DE   Human AADC gene exon III antisense primer.
XX
KW   Human; aromatic L-amino acid decarboxylase; AADC; autism;
KW   mutation detection; PCR primer; ss.
XX
OS   Homo sapiens.
XX
PN   WO200068433-A2.
XX
PD   16-NOV-2000.
XX
PF   05-MAY-2000; 2000WO-US012385.
XX
PR   06-MAY-1999;   99US-0132845P.
PR   20-AUG-1999;   99US-0150087P.
XX
PA   (CHIL-) CHILDRENS HOSPITAL LOS ANGELES.
XX
PI   Peters J,  Waidyaratne NS;
XX
DR   WPI; 2001-016106/02.
XX
PT   Screening for autism in a subject involves detecting the downregulation
PT   of expression of active human aromatic L-amino acid decarboxylase in
PT   nerve tissue of subject.
XX
PS   Example 4; Page 10; 27pp; English.
XX
CC   The present sequence is a PCR primer used in a method of screening for
CC   autism. The method involves detecting the downregulation of expression of
CC   active human aromatic L-amino acid decarboxylase (AADC) in nerve tissue
CC   of the subject. The presence of such downregulation indicates that the
CC   subject is afflicted with, or is at increased risk of developing, autism.
CC   Oligonucleotide probes may be used to detect a mutation. Methods are
CC   disclosed for diagnostic and/or prognostic screening and for screening
CC   compounds for use in treating autism
XX
SQ   Sequence 21 BP; 3 A; 8 C; 1 G; 9 T; 0 U; 0 Other;

  Query Match            60.8%;  Score 14.6;  DB 5;  Length 21;
  Best Local Similarity  81.0%;  Pred. No. 7.2e+03;
  Matches   17;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy          1 TGAATGCGCAAGCTGAAAAAG 21
              |||||| | ||||||| || |
Db         21 TGAATGAGAAAGCTGAGAAGG 1


RESULT 5
AAQ35951/c
ID   AAQ35951 standard; DNA; 30 BP.
XX
AC   AAQ35951;
XX
DT   25-MAR-2003  (revised)
DT   07-JUN-1993  (first entry)
XX
DE   IgG-binding artificial protein DNA 3' PCR primer PROTAS.
XX
KW   Polymerase chain reaction; immunoglobulin; separation; bioassay; ss.
XX
OS   Synthetic.
XX
PN   WO9302107-A1.
XX
```

PD 04-FEB-1993.
XX
PF 23-JUL-1992; 92WO-JP000938.
XX
PR 25-JUL-1991; 91JP-00207150.
PR 23-AUG-1991; 91JP-00235687.
XX
PA (ORIY) ORIENTAL YEAST CO LTD.
XX
PI Kihira Y, Aiba S;
XX
DR WPI; 1993-058728/07.
XX
PT Immunoglobulin-binding artificial protein - contains linked IgG-combining
PT domains of staphylococcal protein A and is used for IgG purificn. and as
PT molecular wt. marker.
XX
PS Example; Page 7; 31pp; Japanese.
XX
CC The sequence is that of a PCR primer used in the prodn. of DNA coding for
CC an immunoglobulin-binding artificial protein which comprises a number of
CC linked units consisting of one or more of the IgG-binding domains of
CC Protein A. The protein can be used for the separation of highly pure IgG,
CC IgG bioassays and as a molecular weight marker. The primer was used in
CC the construction of plasmid pTRP-PROT-ABI-VI which was used to transform
CC E.coli to produce the protein which contains four of the AB domains of
CC Protein A. (Updated on 25-MAR-2003 to correct PN field.)
XX
SQ Sequence 30 BP; 5 A; 5 C; 7 G; 13 T; 0 U; 0 Other;

Query Match 60.8%; Score 14.6; DB 2; Length 30;
Best Local Similarity 81.0%; Pred. No. 7.5e+03;
Matches 17; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 4 ATGCGCAAGCTGAAAAAGTAG 24
|||| ||||| ||||||||
Db 24 ATGCTCAAGCACCAAAAGTAG 4

RESULT 6
AAH99984
ID AAH99984 standard; DNA; 30 BP.
XX
AC AAH99984;
XX
DT 18-JUN-2002 (first entry)
XX
DE 3' end primer used during the manipulation of pMB908 plasmid.
XX
KW Crystal lattice; crystallography; three dimensional structure;
KW membrane protein; pMB908; PCR primer; ss.
XX
OS Synthetic.
XX
PN WO200185962-A1.
XX
PD 15-NOV-2001.
XX
PF 04-MAY-2001; 2001WO-GB002043.
XX
PR 05-MAY-2000; 2000SE-00001666.
PR 02-JUN-2000; 2000US-0209331P.
PR 28-JUN-2000; 2000SE-00002432.
XX
PA (IMCO-) IMPERIAL COLLEGE INNOVATIONS LTD.
PA (IWAT/) IWATA S.
PA (BYRN/) BYRNE B.
PA (JORM/) JORMAKKA M.
PA (ABRA/) ABRAMSON J.
PA (SEJL/) SEJLITZ T.
XX
PI Iwata S, Byrne B, Jormakka M, Abramson J, Sejlitz T;
XX
DR WPI; 2002-089795/12.
XX
PT New recombinant vectors comprising promoter and nucleotide sequences,
PT useful in methods of crystallization, particularly for the
PT crystallization of proteins that are otherwise difficult to crystallize.
XX
PS Example 2; Page 62; 70pp; English.
XX
CC This invention relates to recombinant vectors, comprising a promoter
CC sequence and a nucleotide sequence encoding a first protein, which is a
CC membrane protein, or multisubunit protein. The recombinant vector is
CC useful in methods of crystallisation. The vector is particularly useful
CC for the crystallisation of proteins that are otherwise difficult to
CC crystallise. This sequence represents a 3' primer which is used to add
CC unique restriction sites to the carboxy-terminus of subunit IV in plasmid
CC pMB908 (see AAH99982)
XX
SQ Sequence 30 BP; 7 A; 10 C; 7 G; 6 T; 0 U; 0 Other;

Query Match 60.8%; Score 14.6; DB 6; Length 30;
Best Local Similarity 81.0%; Pred. No. 7.5e+03;
Matches 17; Conservative 0; Mismatches 4; Indels 0; Gaps 0;

Qy 1 TGAATGCGCAAGCTGAAAAAG 21
|| |||||||||| ||| | |
Db 6 TGCATGCGCAAGCAGAATACG 26

RESULT 7
ADS12568/c
ID ADS12568 standard; DNA; 31 BP.
XX
AC ADS12568;
XX
DT 16-DEC-2004 (first entry)
XX
DE PCR primer used to amplify S_aureus IgG protein A DNA SeqID 2.
XX
KW organic substance immobilising chip; electroconductive support;
KW metal atom; screening method; PCR; primer; ss;
KW immunoglobulin G binding protein A.
XX
OS Staphylococcus aureus.
XX
PN WO2004081567-A1.
XX
PD 23-SEP-2004.
XX
PF 27-FEB-2004; 2004WO-JP002410.
XX
PR 14-MAR-2003; 2003JP-00069924.
PR 11-AUG-2003; 2003JP-00207081.
XX
PA (KITA-) KITAKYUSHU FOUND ADVANCEMENT IND.
XX
PI Haruyama T;
XX
DR WPI; 2004-690655/67.
XX
PT Biological material immobilizing chip useful for purifying biological
PT material, comprises biological material having region capable of
PT coordinating to metal ion, immobilized on electroconductive support.
XX
PS Example; SEQ ID NO 2; 32pp; Japanese.
XX
CC This invention relates to a novel organic substance immobilising chip
CC that comprises a biological material immobilised on to an
CC electroconductive support via a metal atom. Specifically, it refers to a
CC biological material that has a region capable of coordinating to a metal
CC ion, and where the metal atom is produced by reduction of this metal ion,
CC such that the substance is immobilised to the support by applying a
CC reduction potential. The present invention describes a method useful for
CC analysing and purifying a biological material such as a protein or a

GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: April 15, 2005, 21:56:28 ; Search time 1750.57 Seconds
(without alignments)
521.854 Million cell updates/sec

Title: US-10-025-137B-3
Perfect score: 24
Sequence: 1 tgaatgcgcaagctgaaaaagtag 24

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 34239544 seqs, 19032134700 residues

Total number of hits satisfying chosen parameters: 94960

Minimum DB seq length: 0
Maximum DB seq length: 40

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database : EST:*
1: gb_est1:*
2: gb_est2:*
3: gb_htc:*
4: gb_est3:*
5: gb_est4:*
6: gb_est5:*
7: gb_est6:*
8: gb_gss1:*
9: gb_gss2:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
c	1	15	62.5	35	9	CL669001	CL669001 PRI0159b_
	2	14.6	60.8	27	8	AZ484705	AZ484705 1M0311D23
	3	14	58.3	33	4	BJ014567	BJ014567 BJ014567
c	4	13.4	55.8	40	9	CC887318	CC887318 SALK_1499
c	5	13	54.2	27	8	BZ768209	BZ768209 SALK_1399
c	6	13	54.2	27	8	BZ768211	BZ768211 SALK_1399
c	7	13	54.2	27	8	BZ768216	BZ768216 SALK_1399
c	8	13	54.2	40	8	AZ761314	AZ761314 1M0555N02
c	9	12.8	53.3	28	1	AI794880	AI794880 sb72h05.y
c	10	12.8	53.3	38	8	AZ394484	AZ394484 1M0158N05
	11	12.6	52.5	24	8	AZ624698	AZ624698 1M0463I01
	12	12.6	52.5	25	7	CF338204	CF338204 JMT--08-P
c	13	12.6	52.5	38	7	T73578	T73578 yc36d06.s1
	14	12.4	51.7	27	1	AU266965	AU266965 AU266965
c	15	12.4	51.7	37	9	AL770434	AL770434 Arabidops
	16	12.4	51.7	40	8	BH900955	BH900955 KG07812-3
	17	12.2	50.8	29	8	AZ456569	AZ456569 1M0259C05
	18	12.2	50.8	34	4	BJ054814	BJ054814 BJ054814
	19	12.2	50.8	34	8	AZ513161	AZ513161 1M0359H11
c	20	12.2	50.8	35	9	CC793942	CC793942 SALK_0389
	21	12.2	50.8	39	8	AZ799964	AZ799964 2M0057B18
	22	12	50.0	24	8	AZ464973	AZ464973 1M0274D08
c	23	12	50.0	25	8	AZ818242	AZ818242 2M0088G12
	24	12	50.0	33	9	AL766996	AL766996 Arabidops
	25	12	50.0	35	8	BH813326	BH813326 SALK_0639
c	26	12	50.0	38	7	T71023	T71023 yc50c11.s1
c	27	12	50.0	38	7	T71791	T71791 yc64d10.s1
	28	12	50.0	40	4	BG387523	BG387523 602412334
	29	11.8	49.2	20	8	AZ828387	AZ828387 2M0105P13
c	30	11.8	49.2	28	1	AI755903	AI755903 EtESTea08
c	31	11.8	49.2	28	8	AZ387873	AZ387873 1M0147O23
	32	11.8	49.2	31	8	AZ304355	AZ304355 1M0004H21
	33	11.8	49.2	33	2	AV957156	AV957156 AV957156
c	34	11.8	49.2	35	8	BH910181	BH910181 SALK_0582
c	35	11.8	49.2	36	8	BH791454	BH791454 SALK_0599
	36	11.8	49.2	37	8	AZ660268	AZ660268 1M0538H13
c	37	11.8	49.2	38	8	AZ305231	AZ305231 1M0005M15
	38	11.8	49.2	40	7	H95706	H95706 yt95g10.s1
	39	11.6	48.3	25	9	CC794288	CC794288 SALK_0468
	40	11.6	48.3	29	8	AZ588457	AZ588457 1M0396L17
	41	11.6	48.3	33	2	BF311108	BF311108 601898559
c	42	11.6	48.3	39	8	BH848585	BH848585 SALK_0685
c	43	11.4	47.5	24	6	CD026347	CD026347 EST00284
c	44	11.4	47.5	34	8	AZ645914	AZ645914 1M0511K08
	45	11.4	47.5	35	5	BQ584580	BQ584580 E011858-0
c	46	11.4	47.5	36	8	BZ354295	BZ354295 SALK_1234
	47	11.4	47.5	37	1	AA954860	AA954860 op20b11.s
	48	11.4	47.5	37	9	AL761994	AL761994 Arabidops
c	49	11.4	47.5	37	9	CC883905	CC883905 SALK_1022
c	50	11.4	47.5	39	8	BZ594388	BZ594388 SALK_0840
c	51	11.4	47.5	40	9	BX943323	BX943323 Arabidops
c	52	11.2	46.7	29	8	AZ806826	AZ806826 2M0069G08
	53	11.2	46.7	31	1	AI324959	AI324959 ml93f04.x
	54	11.2	46.7	31	1	AU265359	AU265359 AU265359
c	55	11.2	46.7	32	9	CG712448	CG712448 1119027A0
	56	11.2	46.7	33	4	BG610868	BG610868 602612330
c	57	11.2	46.7	33	8	AZ429931	AZ429931 1M0214H08
	58	11.2	46.7	34	9	TA261E09P	AL484499 T. brucei
c	59	11.2	46.7	37	8	CC056919	CC056919 SALK_1113
	60	11.2	46.7	39	1	AU269298	AU269298 AU269298
c	61	11.2	46.7	40	9	AL949623	AL949623 Arabidops
c	62	11.2	46.7	40	9	BX655141	BX655141 Arabidops
	63	11.2	46.7	40	9	CL438956	CL438956 PST8429-N
c	64	11.2	46.7	40	9	CL528688	CL528688 ASV2F03.f
	65	11	45.8	23	1	AU014098	AU014098 AU014098
	66	11	45.8	26	8	AZ470905	AZ470905 1M0285C22
c	67	11	45.8	26	9	AG188983	AG188983 Pan trogl
	68	11	45.8	28	1	AA860299	AA860299 aj22g12.s
c	69	11	45.8	28	9	DME546620	AJ546620 Drosophil
	70	11	45.8	31	2	BF136975	BF136975 601782372
c	71	11	45.8	33	8	AZ314204	AZ314204 1M0030G22
c	72	11	45.8	34	8	AZ313963	AZ313963 1M0030I04
c	73	11	45.8	36	7	T64414	T64414 yc48e08.s1
	74	11	45.8	36	9	TA261D12P	AL484492 T. brucei
	75	11	45.8	39	4	BJ082050	BJ082050 BJ082050
c	76	11	45.8	39	8	AZ778140	AZ778140 2M0013C24
c	77	10.8	45.0	24	8	AZ595661	AZ595661 1M0408K24
	78	10.8	45.0	26	8	AZ455706	AZ455706 1M0258M11
	79	10.8	45.0	27	9	TA31E11P	AL453840 T. brucei
c	80	10.8	45.0	28	8	AZ454328	AZ454328 1M0256C16
c	81	10.8	45.0	29	8	AZ831178	AZ831178 2M0110I18
	82	10.8	45.0	30	4	BJ051129	BJ051129 BJ051129
c	83	10.8	45.0	30	9	BX285535	BX285535 Arabidops
c	84	10.8	45.0	31	8	AZ447202	AZ447202 1M0244E12
c	85	10.8	45.0	31	8	AZ505943	AZ505943 1M0346C24
	86	10.8	45.0	31	8	BH909976	BH909976 SALK_0568
	87	10.8	45.0	31	9	AL757822	AL757822 Arabidops
c	88	10.8	45.0	31	9	CC889152	CC889152 SALK_1528
c	89	10.8	45.0	32	1	AJ680337	AJ680337 AJ680337
c	90	10.8	45.0	32	8	AZ320254	AZ320254 1M0040P07
	91	10.8	45.0	32	8	AZ410901	AZ410901 1M0183A12
	92	10.8	45.0	32	8	AZ481667	AZ481667 1M0306M04
	93	10.8	45.0	32	8	AZ875713	AZ875713 2M0190F20
	94	10.8	45.0	33	9	CC797625	CC797625 SALK_1451
	95	10.8	45.0	33	9	CL680779	CL680779 PRI012b_D
c	96	10.8	45.0	34	1	AI130225	AI130225 SWOvL3CAN
	97	10.8	45.0	34	8	BZ748891	BZ748891 EY02271-5

c	98	10.8	45.0	35	8	AZ442521
c	99	10.8	45.0	35	8	AZ460717
	100	10.8	45.0	35	8	AZ485681
c	101	10.8	45.0	37	8	AZ466754
c	102	10.8	45.0	38	8	AZ372759
	103	10.8	45.0	38	9	BX002307
	104	10.8	45.0	38	9	CG728431
	105	10.8	45.0	39	8	AZ772153
c	106	10.8	45.0	39	9	AL770124
c	107	10.8	45.0	40	1	AI048822
	108	10.8	45.0	40	9	BX222718
c	109	10.6	44.2	19	8	AZ331326
c	110	10.6	44.2	19	8	AZ345449
c	111	10.6	44.2	19	8	AZ345511
c	112	10.6	44.2	19	8	AZ345536
c	113	10.6	44.2	19	8	AZ345572
c	114	10.6	44.2	19	8	AZ346709
c	115	10.6	44.2	19	8	AZ346710
c	116	10.6	44.2	19	8	AZ368837
c	117	10.6	44.2	19	8	AZ447223
c	118	10.6	44.2	19	8	AZ447247
c	119	10.6	44.2	19	8	AZ510096
c	120	10.6	44.2	19	8	AZ510106
c	121	10.6	44.2	19	8	AZ638980
c	122	10.6	44.2	21	8	AZ510134
c	123	10.6	44.2	25	8	AZ820085
c	124	10.6	44.2	27	9	CC883608
	125	10.6	44.2	28	8	AZ583628
c	126	10.6	44.2	29	8	CC179185
c	127	10.6	44.2	29	9	TA119F03Q
	128	10.6	44.2	29	9	CC797798
	129	10.6	44.2	31	2	AW249392
c	130	10.6	44.2	32	6	CB305224
	131	10.6	44.2	32	9	BX944307
c	132	10.6	44.2	33	6	CA794979
	133	10.6	44.2	33	7	N72361
	134	10.6	44.2	34	1	AL586014
c	135	10.6	44.2	34	2	AV966411
	136	10.6	44.2	34	8	BH865812
c	137	10.6	44.2	34	8	BH909582
	138	10.6	44.2	35	1	AL585840
	139	10.6	44.2	35	8	AZ492866
c	140	10.6	44.2	35	8	BH908719
	141	10.6	44.2	35	9	CG709208
c	142	10.6	44.2	36	1	AJ647808
	143	10.6	44.2	39	1	AJ239886
c	144	10.6	44.2	39	8	BH908193
	145	10.6	44.2	39	9	CL308264
c	146	10.6	44.2	40	1	AI962543
	147	10.6	44.2	40	1	AA162748
	148	10.6	44.2	40	1	AU256056
c	149	10.6	44.2	40	4	BJ081789
	150	10.6	44.2	40	8	AZ376869
	151	10.6	44.2	40	8	AZ410396
c	152	10.4	43.3	19	8	AZ581163
c	153	10.4	43.3	20	7	CF295326
	154	10.4	43.3	25	1	AB094442
	155	10.4	43.3	27	8	CC054151
c	156	10.4	43.3	27	9	TA341G09Q
	157	10.4	43.3	28	1	AI183010
c	158	10.4	43.3	28	1	AI355146
c	159	10.4	43.3	28	8	AZ342196
c	160	10.4	43.3	29	7	CF300706
	161	10.4	43.3	29	8	AZ694094
	162	10.4	43.3	29	9	CG710322
c	163	10.4	43.3	30	8	AZ827644
	164	10.4	43.3	31	6	CD743472
	165	10.4	43.3	31	9	AJ592288
	166	10.4	43.3	31	9	AJ592418
	167	10.4	43.3	31	9	CC889152
	168	10.4	43.3	32	8	AZ841680
	169	10.4	43.3	32	8	BZ352804
c	170	10.4	43.3	32	9	AJ589396

AZ442521	1M0236C10
AZ460717	1M0266M11
AZ485681	1M0313F13
AZ466754	1M0277J12
AZ372759	1M0124F16
BX002307	Arabidops
CG728431	1119100F0
AZ772153	1M0574N16
AL770124	Arabidops
AI048822	uc76c02.y
BX222718	Danio rer
AZ331326	1M0059B15
AZ345449	1M0080I08
AZ345511	1M0080J01
AZ345536	1M0080O06
AZ345572	1M0080J17
AZ346709	1M0082M06
AZ346710	1M0082N01
AZ368837	1M0119A11
AZ447223	1M0244H13
AZ447247	1M0244G19
AZ510096	1M0354B22
AZ510106	1M0354E19
AZ638980	1M0499L08
AZ510134	1M0354N19
AZ820085	2M0092O01
CC883608	SALK_0951
AZ583628	1M0378H09
CC179185	SALK_0592
AL463260	T. brucei
CC797798	SALK_1454
AW249392	2819331.5
CB305224	3'EST-Nfl
BX944307	Arabidops
CA794979	Cac_BL_20
N72361	yv37h10.r1
AL586014	AL586014
AV966411	AV966411
BH865812	SALK_0998
BH909582	SALK_0545
AL585840	AL585840
AZ492866	1M0327A16
BH908719	SALK_0503
CG709208	1119012C0
AJ647808	AJ647808
AJ239886	AJ239886
BH908193	SALK_0462
CL308264	03F0096-0
AI962543	wq53g05.x
AA162748	mn48d08.r
AU256056	AU256056
BJ081789	BJ081789
AZ376869	1M0131M01
AZ410396	1M0182N11
AZ581163	1M0369M20
CF295326	30DGS--05
AB094442	AB094442
CC054151	SALK_0535
AL493345	T. brucei
AI183010	ub92e02.r
AI355146	qt80e12.x
AZ342196	1M0075F07
CF300706	7LEAF--05
AZ694094	AST-2H8BG
CG710322	1119016H0
AZ827644	2M0104N08
CD743472	IRB4_A09_
AJ592288	Arabidops
AJ592418	Arabidops
CC889152	SALK_1528
AZ841680	2M0139N14
BZ352804	SALK_0823
AJ589396	Arabidops

	171	10.4	43.3	32	9	CC887208
	172	10.4	43.3	33	1	AU007243
c	173	10.4	43.3	33	8	BH847354
c	174	10.4	43.3	33	9	AG201942
	175	10.4	43.3	34	1	AA984692
c	176	10.4	43.3	34	1	AI794937
	177	10.4	43.3	34	1	AU007259
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GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

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Scoring table: IDENTITY_NUC
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Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 1132682

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
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Listing first 1000 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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c	3	14.2	59.2	26	3	US-08-526-840B-117	Sequence 117, App
	4	14.2	59.2	36	2	US-08-576-626A-19	Sequence 19, Appl
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c	6	13.6	56.7	24	4	US-09-769-482-10	Sequence 10, Appl
c	7	13.6	56.7	25	4	US-09-396-196G-38900	Sequence 38900, A
c	8	13.6	56.7	25	4	US-09-396-196G-38901	Sequence 38901, A
c	9	13.6	56.7	25	4	US-09-396-196G-101017	Sequence 101017,
c	10	13.6	56.7	25	4	US-09-396-196G-101018	Sequence 101018,
c	11	13.6	56.7	25	4	US-09-396-196G-101019	Sequence 101019,
c	12	13.6	56.7	25	4	US-09-396-196G-101020	Sequence 101020,
c	13	13.6	56.7	25	4	US-09-396-196G-101021	Sequence 101021,
	14	13.6	56.7	25	4	US-09-396-196G-108236	Sequence 108236,
	15	13.6	56.7	37	3	US-09-306-881-15	Sequence 15, Appl
	16	13.4	55.8	25	4	US-09-396-196G-60758	Sequence 60758, A
	17	13.4	55.8	25	4	US-09-396-196G-60759	Sequence 60759, A
	18	13.4	55.8	25	4	US-09-396-196G-60760	Sequence 60760, A
	19	13.4	55.8	25	4	US-09-396-196G-60761	Sequence 60761, A
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	23	13.4	55.8	33	3	US-08-834-033A-22	Sequence 22, Appl
	24	13.4	55.8	33	3	US-09-363-574-14	Sequence 14, Appl
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	47	13.2	55.0	32	3	US-08-471-039-547	Sequence 547, App
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	76	12.8	53.3	34	1	US-08-299-682-7	Sequence 7, Appli
	77	12.8	53.3	34	1	US-08-299-682-8	Sequence 8, Appli
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	109	12.4	51.7	27	3	US-08-584-040-925	Sequence 925, App
	110	12.4	51.7	29	4	US-10-017-066A-35	Sequence 35, Appl
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c	116	12.4	51.7	34	1	US-08-479-852-116	Sequence 116, App
c	117	12.4	51.7	34	2	US-08-462-646-36	Sequence 36, Appl
c	118	12.4	51.7	34	2	US-08-462-646-116	Sequence 116, App
c	119	12.4	51.7	34	3	US-09-013-406-36	Sequence 36, Appl
c	120	12.4	51.7	34	3	US-09-013-406-116	Sequence 116, App
c	121	12.4	51.7	34	4	US-09-766-095-36	Sequence 36, Appl
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	125	12.4	51.7	38	1	US-08-479-852-117	Sequence 117, App
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	129	12.4	51.7	38	3	US-09-013-406-117	Sequence 117, App
	130	12.4	51.7	38	4	US-09-766-095-37	Sequence 37, Appl
	131	12.4	51.7	38	4	US-09-766-095-117	Sequence 117, App
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	137	12.4	51.7	39	4	US-10-400-902-16	Sequence 16, Appl
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	139	12.2	50.8	20	3	US-09-157-177-96	Sequence 96, Appl
	140	12.2	50.8	20	4	US-09-541-210-75	Sequence 75, Appl
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c	153	12.2	50.8	27	1	US-08-411-796-549	Sequence 549, App
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	158	12.2	50.8	33	1	US-08-201-118-15	Sequence 15, Appl
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	160	12.2	50.8	33	2	US-08-238-821B-15	Sequence 15, Appl
	161	12.2	50.8	33	2	US-08-238-821B-21	Sequence 21, Appl
	162	12.2	50.8	33	4	US-09-826-509-286	Sequence 286, App
c	163	12.2	50.8	33	4	US-09-826-509-287	Sequence 287, App
	164	12.2	50.8	33	5	PCT-US95-05744-15	Sequence 15, Appl
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SUMMARIES

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c 145	13	54.2	25	19	US-10-719-900-981653	Sequence 981653,
146	13	54.2	25	19	US-10-809-189-4587	Sequence 4587, Ap
147	13	54.2	25	19	US-10-809-189-4588	Sequence 4588, Ap
c 148	13	54.2	33	9	US-09-811-094-37	Sequence 37, Appl
c 149	13	54.2	33	9	US-09-810-644-37	Sequence 37, Appl
c 150	13	54.2	33	11	US-09-809-827-37	Sequence 37, Appl
c 151	13	54.2	33	11	US-09-809-889-37	Sequence 37, Appl
c 152	13	54.2	33	12	US-09-811-131-37	Sequence 37, Appl
c 153	13	54.2	33	12	US-09-811-132-37	Sequence 37, Appl
c 154	13	54.2	39	18	US-10-343-859-23	Sequence 23, Appl
c 155	12.8	53.3	23	10	US-09-864-636A-2572	Sequence 2572, Ap
c 156	12.8	53.3	23	11	US-09-864-426A-2572	Sequence 2572, Ap
c 157	12.8	53.3	23	16	US-10-084-839-2572	Sequence 2572, Ap
c 158	12.8	53.3	25	19	US-10-719-900-206066	Sequence 206066,
c 159	12.8	53.3	25	19	US-10-719-900-259332	Sequence 259332,
c 160	12.8	53.3	25	19	US-10-719-900-263873	Sequence 263873,
161	12.8	53.3	25	19	US-10-719-900-288079	Sequence 288079,
162	12.8	53.3	25	19	US-10-719-900-295770	Sequence 295770,
c 163	12.8	53.3	25	19	US-10-719-900-368752	Sequence 368752,
c 164	12.8	53.3	25	19	US-10-719-900-368753	Sequence 368753,
165	12.8	53.3	25	19	US-10-719-900-441559	Sequence 441559,
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173	12.8	53.3	25	19	US-10-719-900-684199	Sequence 684199,
174	12.8	53.3	25	19	US-10-719-900-751238	Sequence 751238,
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177	12.8	53.3	25	19	US-10-719-900-850411	Sequence 850411,
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179	12.8	53.3	25	19	US-10-809-189-11492	Sequence 11492, A
180	12.8	53.3	25	19	US-10-809-189-11493	Sequence 11493, A
181	12.8	53.3	25	19	US-10-809-189-16222	Sequence 16222, A
c 182	12.8	53.3	25	19	US-10-809-189-99531	Sequence 99531, A
c 183	12.8	53.3	25	19	US-10-809-189-99532	Sequence 99532, A
184	12.8	53.3	29	17	US-10-350-257-9	Sequence 9, Appli
185	12.8	53.3	30	9	US-09-937-832-12	Sequence 12, Appl
186	12.8	53.3	30	10	US-09-876-252-79	Sequence 79, Appl
187	12.8	53.3	30	17	US-10-417-820A-79	Sequence 79, Appl
188	12.8	53.3	30	18	US-10-723-955-79	Sequence 79, Appl
189	12.8	53.3	30	19	US-10-723-518-65	Sequence 65, Appl
c 190	12.8	53.3	34	10	US-09-908-504A-5	Sequence 5, Appli
191	12.8	53.3	36	17	US-10-138-674-15327	Sequence 15327, A
192	12.8	53.3	36	18	US-10-287-949A-15327	Sequence 15327, A
193	12.8	53.3	38	19	US-10-633-699-3	Sequence 3, Appli
c 194	12.6	52.5	20	8	US-08-983-605-112	Sequence 112, App
c 195	12.6	52.5	20	16	US-10-169-983-12	Sequence 12, Appl
c 196	12.6	52.5	20	17	US-10-289-762-4338	Sequence 4338, Ap
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198	12.6	52.5	21	18	US-10-751-736-28945	Sequence 28945, A
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201	12.6	52.5	25	15	US-10-098-263B-94638	Sequence 94638, A
c 202	12.6	52.5	25	19	US-10-719-900-89332	Sequence 89332, A
203	12.6	52.5	25	19	US-10-719-900-121084	Sequence 121084,
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214	12.6	52.5	25	19	US-10-719-900-457456	Sequence 457456,
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224	12.6	52.5	25	19	US-10-719-900-685680	Sequence 685680,
225	12.6	52.5	25	19	US-10-719-900-698462	Sequence 698462,
c 226	12.6	52.5	25	19	US-10-719-900-708903	Sequence 708903,
c 227	12.6	52.5	25	19	US-10-719-900-720393	Sequence 720393,
c 228	12.6	52.5	25	19	US-10-719-900-729774	Sequence 729774,
229	12.6	52.5	25	19	US-10-719-900-739129	Sequence 739129,
c 230	12.6	52.5	25	19	US-10-719-900-766470	Sequence 766470,

GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: April 15, 2005, 19:39:05 ; Search time 847.429 Seconds
(without alignments)
1372.299 Million cell updates/sec

Title: US-10-025-137B-4
Perfect score: 24
Sequence: 1 acgccgttaggtgtattgattgtg 24

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 4708233 seqs, 24227607955 residues

Total number of hits satisfying chosen parameters: 1692386

Minimum DB seq length: 0
Maximum DB seq length: 40

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database : GenEmbl:*
1: gb_ba:*
2: gb_htg:*
3: gb_in:*
4: gb_om:*
5: gb_ov:*
6: gb_pat:*
7: gb_ph:*
8: gb_pl:*
9: gb_pr:*
10: gb_ro:*
11: gb_sts:*
12: gb_sy:*
13: gb_un:*
14: gb_vi:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	24	100.0	24	6	CQ849464	CQ849464 Sequence
	2	24	100.0	24	6	AX781566	AX781566 Sequence
	3	18	75.0	18	6	AX781564	AX781564 Sequence
	4	15	62.5	38	6	AR336422	AR336422 Sequence
	5	14.6	60.8	27	6	AR349069	AR349069 Sequence
c	6	14.6	60.8	27	6	AR349070	AR349070 Sequence
	7	14.6	60.8	27	6	AR349071	AR349071 Sequence
c	8	14.6	60.8	27	6	AR349072	AR349072 Sequence
c	9	14.2	59.2	25	6	AR349085	AR349085 Sequence
	10	14.2	59.2	25	6	AR349086	AR349086 Sequence
c	11	14.2	59.2	25	6	AR349087	AR349087 Sequence
	12	14.2	59.2	25	6	AR349088	AR349088 Sequence
	13	14	58.3	28	6	E32356	E32356 Plant havin
c	14	13.4	55.8	24	6	AX445977	AX445977 Sequence
c	15	13.4	55.8	29	6	AR016355	AR016355 Sequence
c	16	13.4	55.8	29	6	I59979	I59979 Sequence 34
c	17	13.4	55.8	29	6	I86060	I86060 Sequence 34
	18	13.4	55.8	38	6	AR329971	AR329971 Sequence
	19	13.4	55.8	38	6	AR335039	AR335039 Sequence
	20	13.4	55.8	38	6	AR335831	AR335831 Sequence
	21	13.4	55.8	38	6	AR335965	AR335965 Sequence
	22	13.4	55.8	38	6	AR336169	AR336169 Sequence
	23	13.4	55.8	38	6	AX222441	AX222441 Sequence
	24	13.4	55.8	38	6	AX581322	AX581322 Sequence
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c	26	13	54.2	18	6	AR222910	AR222910 Sequence
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	28	13	54.2	24	6	CQ875843	CQ875843 Sequence
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	30	13	54.2	24	6	AX493465	AX493465 Sequence
	31	13	54.2	25	6	BD245849	BD245849 Developme
	32	13	54.2	25	6	AX693936	AX693936 Sequence
	33	13	54.2	25	6	AX693937	AX693937 Sequence
	34	13	54.2	25	6	AX693938	AX693938 Sequence
	35	13	54.2	25	6	AX693939	AX693939 Sequence
	36	13	54.2	25	6	AX693940	AX693940 Sequence
	37	13	54.2	26	6	AX055459	AX055459 Sequence
	38	13	54.2	26	6	AX697024	AX697024 Sequence
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	41	13	54.2	38	6	AR336348	AR336348 Sequence
	42	13	54.2	38	6	AX222853	AX222853 Sequence
	43	13	54.2	38	6	AX228357	AX228357 Sequence
	44	13	54.2	38	6	AX581095	AX581095 Sequence
c	45	12.8	53.3	23	6	BD227562	BD227562 Assay usi
c	46	12.8	53.3	23	6	AR476268	AR476268 Sequence
	47	12.8	53.3	29	6	BD227386	BD227386 Secreted
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c	50	12.8	53.3	30	6	AR142233	AR142233 Sequence
c	51	12.8	53.3	30	6	I34494	I34494 Sequence 3
c	52	12.8	53.3	30	6	I57329	I57329 Sequence 3
c	53	12.8	53.3	30	6	I73207	I73207 Sequence 3
	54	12.8	53.3	31	6	AX249714	AX249714 Sequence
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	56	12.8	53.3	38	6	AR330301	AR330301 Sequence
	57	12.8	53.3	38	6	AR330587	AR330587 Sequence
	58	12.8	53.3	38	6	AR330650	AR330650 Sequence
	59	12.8	53.3	38	6	AR331661	AR331661 Sequence
	60	12.8	53.3	38	6	AR332187	AR332187 Sequence
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	62	12.8	53.3	38	6	AX227915	AX227915 Sequence
	63	12.8	53.3	38	6	AX273370	AX273370 Sequence
	64	12.8	53.3	38	6	AX424007	AX424007 Sequence
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	66	12.6	52.5	20	6	CQ755481	CQ755481 Sequence
	67	12.6	52.5	20	6	AX958838	AX958838 Sequence
c	68	12.6	52.5	21	6	AR161455	AR161455 Sequence
c	69	12.6	52.5	24	6	AX487785	AX487785 Sequence
c	70	12.4	51.7	17	6	AX737871	AX737871 Sequence
	71	12.4	51.7	19	6	AR292542	AR292542 Sequence
	72	12.4	51.7	19	6	AR478084	AR478084 Sequence
	73	12.4	51.7	19	6	AR535313	AR535313 Sequence
	74	12.4	51.7	19	6	AX045175	AX045175 Sequence
	75	12.4	51.7	24	6	BD139743	BD139743 Gene fami
	76	12.4	51.7	24	6	BD263211	BD263211 Method of
c	77	12.4	51.7	24	6	CQ828506	CQ828506 Sequence
c	78	12.4	51.7	24	6	AX290908	AX290908 Sequence
	79	12.4	51.7	24	6	AX539075	AX539075 Sequence
	80	12.4	51.7	30	6	BD141450	BD141450 Method fo
c	81	12.4	51.7	30	6	CQ856909	CQ856909 Sequence
c	82	12.4	51.7	30	6	AX791959	AX791959 Sequence
	83	12.4	51.7	30	6	AX793948	AX793948 Sequence
c	84	12.4	51.7	32	6	BD249668	BD249668 DNA seque
c	85	12.4	51.7	32	6	BD249670	BD249670 DNA seque
c	86	12.4	51.7	32	6	BD249674	BD249674 DNA seque
c	87	12.4	51.7	32	6	BD249676	BD249676 DNA seque
c	88	12.4	51.7	32	6	BD249680	BD249680 DNA seque
c	89	12.4	51.7	32	6	BD249682	BD249682 DNA seque
c	90	12.4	51.7	32	6	BD249684	BD249684 DNA seque
	91	12.4	51.7	32	6	AR236231	AR236231 Sequence
c	92	12.4	51.7	32	6	AX085148	AX085148 Sequence

c	93	12.4	51.7	32	6	AX417737 AX417737 Sequence
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	98	12.4	51.7	38	6	AR332816 AR332816 Sequence
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	101	12.4	51.7	38	6	AR334001 AR334001 Sequence
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	104	12.4	51.7	38	6	AR335056 AR335056 Sequence
	105	12.4	51.7	38	6	AR335209 AR335209 Sequence
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	107	12.4	51.7	38	6	AX219699 AX219699 Sequence
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	109	12.4	51.7	38	6	AX219845 AX219845 Sequence
	110	12.4	51.7	38	6	AX222954 AX222954 Sequence
	111	12.4	51.7	38	6	AX222969 AX222969 Sequence
	112	12.4	51.7	38	6	AX228324 AX228324 Sequence
	113	12.4	51.7	38	6	AX228336 AX228336 Sequence
	114	12.4	51.7	38	6	AX580561 AX580561 Sequence
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	116	12.4	51.7	40	6	I30562 I30562 Sequence 10
	117	12.2	50.8	17	6	AX693363 AX693363 Sequence
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	126	12.2	50.8	25	6	AX693941 AX693941 Sequence
	127	12.2	50.8	25	6	AX693942 AX693942 Sequence
	128	12.2	50.8	25	6	AX693943 AX693943 Sequence
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c	131	12.2	50.8	30	6	E43790 E43790 Method for
c	132	12.2	50.8	30	6	AR264849 AR264849 Sequence
	133	12.2	50.8	30	6	AX790842 AX790842 Sequence
c	134	12.2	50.8	30	6	AX814373 AX814373 Sequence
c	135	12.2	50.8	30	6	AX814485 AX814485 Sequence
	136	12	50.0	20	6	I14442 I14442 Sequence 16
c	137	12	50.0	20	6	I14464 I14464 Sequence 38
	138	12	50.0	20	6	I27285 I27285 Sequence 16
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	146	12	50.0	26	6	AR429389 AR429389 Sequence
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	148	12	50.0	27	6	AX709435 AX709435 Sequence
	149	12	50.0	30	6	BD227510 BD227510 Targeted
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	151	12	50.0	36	6	AR241742 AR241742 Sequence
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	153	12	50.0	38	6	AR333950 AR333950 Sequence
	154	12	50.0	38	6	AR334137 AR334137 Sequence
	155	12	50.0	38	6	AR334252 AR334252 Sequence
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	157	12	50.0	38	6	AR334735 AR334735 Sequence
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	164	12	50.0	38	6	AX228466 AX228466 Sequence
	165	12	50.0	38	6	AX424552 AX424552 Sequence
	166	12	50.0	38	6	AX424769 AX424769 Sequence
	167	12	50.0	38	6	AX581138 AX581138 Sequence
	168	12	50.0	38	6	AX581288 AX581288 Sequence
	169	12	50.0	38	6	AX581308 AX581308 Sequence
	170	12	50.0	38	6	AX581411 AX581411 Sequence
c	171	12	50.0	39	6	AX840531 AX840531 Sequence
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c	173	12	50.0	40	6	AR305133 AR305133 Sequence
c	174	12	50.0	40	6	AR305173 AR305173 Sequence
c	175	12	50.0	40	6	AR309237 AR309237 Sequence
c	176	12	50.0	40	6	AR309277 AR309277 Sequence
c	177	12	50.0	40	6	BD106044 BD106044 Novel LDL
c	178	12	50.0	40	6	BD106084 BD106084 Novel LDL
	179	11.8	49.2	18	6	AX599354 AX599354 Sequence
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	182	11.8	49.2	18	6	AX822720 AX822720 Sequence
	183	11.8	49.2	18	6	AX826360 AX826360 Sequence
	184	11.8	49.2	21	6	BD189848 BD189848 Gene ther
c	185	11.8	49.2	21	6	CQ876321 CQ876321 Sequence
	186	11.8	49.2	24	6	AX493292 AX493292 Sequence
	187	11.8	49.2	24	6	AX494023 AX494023 Sequence
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SOURCE      synthetic construct
  ORGANISM  synthetic construct
            other sequences; artificial sequences.
REFERENCE   1
  AUTHORS   Lin,C.P., Chen,C.A., Chen,M.Y. and Huang,M.Y.
  TITLE     Method and apparatus for detecting pathogens
  JOURNAL   Patent: EP 1447454-A 2 18-AUG-2004;
            DR. Chip Biotechnology Incorporation (TW)
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            Enterobacteriaceae; Escherichia.
REFERENCE   1
  AUTHORS   Liu,L.Y., Chung,T.Y. and Terng,H.J.
  TITLE     Method for detecting Escherichia coli
  JOURNAL   Patent: EP 1321530-A 4 25-JUN-2003;
            Dr. Chip Biotechnology Incorporation (TW)
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            Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
            Enterobacteriaceae; Escherichia.
REFERENCE   1
  AUTHORS   Liu,L.Y., Chung,T.Y. and Terng,H.J.
  TITLE     Method for detecting Escherichia coli
  JOURNAL   Patent: EP 1321530-A 2 25-JUN-2003;
            Dr. Chip Biotechnology Incorporation (TW)
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ACCESSION   AR336422
VERSION     AR336422.1  GI:33722230
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 38)
  AUTHORS   Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
  TITLE     Method and reagent for the treatment of diseases or conditions
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GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 4390206 seqs, 2959870667 residues

Total number of hits satisfying chosen parameters: 3916100

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
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Listing first 1000 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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c	12	14.2	59.2	25	2	AAT72344	Aat72344 Human Pap
	13	14.2	59.2	25	2	AAT72347	Aat72347 Human Pap
	14	14	58.3	28	2	AAX78219	Aax78219 Melon MEE
	15	13.8	57.5	25	11	ADM29498	Adm29498 Human nov
	16	13.6	56.7	25	9	ACK23776	Ack23776 Human mic
c	17	13.6	56.7	30	6	AAS20397	Aas20397 Human VL
c	18	13.4	55.8	24	6	ABQ02425	Abq02425 Oligonucl
	19	13.4	55.8	24	6	ABQ08801	Abq08801 Oligonucl
c	20	13.4	55.8	24	6	ABQ08760	Abq08760 Oligonucl
	21	13.4	55.8	25	9	ACK24160	Ack24160 Human mic
	22	13.4	55.8	25	9	ACK24794	Ack24794 Human mic
c	23	13.4	55.8	29	2	AAQ52769	Aaq52769 Sequence
c	24	13.4	55.8	29	2	AAT89839	Aat89839 Oligonucl
c	25	13.4	55.8	29	2	AAV36808	Aav36808 Nucleotid
	26	13.4	55.8	30	12	ADO79530	Ado79530 KIAA0783
	27	13.4	55.8	36	6	ABX02633	Abx02633 HCV hamme
	28	13.4	55.8	36	12	ADI59335	Adi59335 Hammerhea
	29	13.4	55.8	38	4	ABK07883	Abk07883 Human CD2
	30	13.4	55.8	38	6	ABK58789	Abk58789 Human CLC
	31	13.4	55.8	38	6	ACN30256	Acn30256 WNV minus
	32	13.4	55.8	38	6	ACN26866	Acn26866 WNV minus
	33	13.4	55.8	38	6	ACN29496	Acn29496 WNV minus
	34	13.4	55.8	38	6	ACN29225	Acn29225 WNV minus
	35	13.4	55.8	38	6	ACN29315	Acn29315 WNV minus
	36	13.4	55.8	38	6	ACN29548	Acn29548 WNV minus
	37	13.4	55.8	38	6	ACN29895	Acn29895 WNV minus
	38	13.4	55.8	38	6	ACN29976	Acn29976 WNV minus
	39	13.4	55.8	38	6	ACN29329	Acn29329 WNV minus
	40	13.4	55.8	38	8	ACD52979	Acd52979 HBV inozy
	41	13.4	55.8	38	8	ACD51831	Acd51831 HBV inozy
	42	13.4	55.8	38	11	ADL52006	Adl52006 Human NOG
	43	13.4	55.8	38	11	ADL55554	Adl55554 Human PKR
	44	13.4	55.8	38	11	ADL52129	Adl52129 Human NOG
	45	13.4	55.8	38	11	ADL52165	Adl52165 Human NOG
	46	13.4	55.8	38	12	ADM61726	Adm61726 Hepatitis
	47	13.4	55.8	38	12	ADM61139	Adm61139 Hepatitis
c	48	13.2	55.0	23	6	ABS55583	Abs55583 Human tum
c	49	13.2	55.0	25	9	ACI88862	Aci88862 Human mic
	50	13.2	55.0	25	9	ACI60930	Aci60930 Human mic
c	51	13.2	55.0	25	9	ACI88244	Aci88244 Human mic
	52	13.2	55.0	25	10	ADF75407	Adf75407 Methylati
	53	13.2	55.0	31	4	AAI31305	Aai31305 Human sin
	54	13.2	55.0	37	8	ACA10047	Aca10047 Necrosis
c	55	13	54.2	18	2	AAX28313	Aax28313 PCR prime
c	56	13	54.2	20	6	ABI95155	Abi95155 Capture o
	57	13	54.2	22	10	ADF39667	Adf39667 RAD23B ge
	58	13	54.2	24	2	AAQ24754	Aaq24754 V-gamma 1
	59	13	54.2	24	6	ABS61967	Abs61967 Analyte s
	60	13	54.2	24	6	ABI86881	Abi86881 Capture o
c	61	13	54.2	24	6	ABI86880	Abi86880 Capture o
	62	13	54.2	24	13	ADS12627	Ads12627 DNA probe
	63	13	54.2	25	3	AAA68825	Aaa68825 Bacteriop
	64	13	54.2	25	8	ADB05685	Adb05685 Human MDZ
	65	13	54.2	25	8	ADB05682	Adb05682 Human MDZ
	66	13	54.2	25	8	ADB05683	Adb05683 Human MDZ
	67	13	54.2	25	8	ADB05686	Adb05686 Human MDZ
	68	13	54.2	25	8	ADB05684	Adb05684 Human MDZ
c	69	13	54.2	25	9	ACI49264	Aci49264 Human mic
c	70	13	54.2	25	9	ACI24612	Aci24612 Human mic
	71	13	54.2	26	3	AAA37183	Aaa37183 Human PRO
	72	13	54.2	26	4	AAF54266	Aaf54266 Primer #2
	73	13	54.2	26	5	AAC91538	Aac91538 Human PRO
	74	13	54.2	26	9	ACD68303	Acd68303 Novel hum
	75	13	54.2	26	9	ACH04405	Ach04405 Human sec
	76	13	54.2	26	9	ACD67949	Acd67949 Novel hum
	77	13	54.2	26	10	ADC17961	Adc17961 Human PRO
	78	13	54.2	26	10	ADD70607	Add70607 Human sec
	79	13	54.2	26	10	ADD39684	Add39684 Human sec
	80	13	54.2	26	10	ADD70130	Add70130 Human sec
	81	13	54.2	26	10	ADD38251	Add38251 Human sec
	82	13	54.2	26	10	ADD39207	Add39207 Human sec
	83	13	54.2	26	10	ADD38730	Add38730 Human sec
	84	13	54.2	26	10	ADD40161	Add40161 Human sec
	85	13	54.2	26	10	ADE50382	Ade50382 Human sec
	86	13	54.2	26	10	ADE19994	Ade19994 Human sec
	87	13	54.2	26	10	ADE49905	Ade49905 Human sec
	88	13	54.2	26	10	ADE21463	Ade21463 Human sec
	89	13	54.2	26	10	ADF29888	Adf29888 Human sec
	90	13	54.2	26	10	ADF55781	Adf55781 Human sec
	91	13	54.2	26	10	ADH99285	Adh99285 Human sec
	92	13	54.2	26	12	ADE96465	Ade96465 Human sec
	93	13	54.2	26	12	ADF25776	Adf25776 Human sec

	94	13	54.2	26	12	ADF24675 Human sec
	95	13	54.2	26	12	ADF29411 Human sec
	96	13	54.2	26	12	ADE96942 Human sec
	97	13	54.2	26	12	ADH02980 Human sec
	98	13	54.2	26	12	ADH03934 Human sec
	99	13	54.2	26	12	ADH03457 Human sec
	100	13	54.2	26	12	ADH04411 Human sec
	101	13	54.2	26	12	ADH61412 Human sec
	102	13	54.2	26	12	ADL94611 Human sec
	103	13	54.2	35	8	ACA10046 Necrosis
	104	13	54.2	38	4	AAH96515 Human Chk
	105	13	54.2	38	4	ABK08295 Human CD2
	106	13	54.2	38	6	ABK58562 Human CLC
	107	13	54.2	38	6	ACN29047 WNV minus
	108	13	54.2	38	6	ACN28513 WNV minus
	109	13	54.2	38	6	ACN30047 WNV minus
	110	13	54.2	38	6	ACN29865 WNV minus
	111	13	54.2	38	6	ACN17649 WNV Inozy
	112	13	54.2	38	6	ACN30250 WNV minus
	113	13	54.2	38	11	ADL53734 Human IKK
	114	13	54.2	40	10	ACF58109 P16 non-m
c	115	12.8	53.3	21	13	ADQ92940 Aromatase
c	116	12.8	53.3	21	13	ADQ92939 Aromatase
	117	12.8	53.3	21	13	ADQ92941 Aromatase
c	118	12.8	53.3	23	3	AAA09871 Human pap
c	119	12.8	53.3	23	12	ADL71272 Probe #7
c	120	12.8	53.3	23	13	ADS64333 Human pap
	121	12.8	53.3	26	10	ADD01377 Human TCH
	122	12.8	53.3	29	3	AAA16764 Human sec
c	123	12.8	53.3	30	2	AAQ44287 Sequence
c	124	12.8	53.3	30	2	AAZ07819 Oligo 2PV
	125	12.8	53.3	38	4	AAH96073 Human Chk
	126	12.8	53.3	38	4	ABK08092 Human CD2
	127	12.8	53.3	38	4	ABL47306 Human GRI
	128	12.8	53.3	38	6	ABK19696 Human ERG
	129	12.8	53.3	38	6	ACN15803 WNV Hamme
	130	12.8	53.3	38	6	ACN26152 WNV minus
	131	12.8	53.3	38	6	ACN16135 WNV Hamme
	132	12.8	53.3	38	6	ACN26654 WNV minus
	133	12.8	53.3	38	6	ACN26766 WNV minus
	134	12.8	53.3	38	8	ACD51539 HBV hamme
	135	12.8	53.3	38	8	ACD51400 HBV hamme
	136	12.8	53.3	38	11	ADL56072 Human PKR
	137	12.8	53.3	38	11	ADM54626 Hammerhea
	138	12.8	53.3	38	12	ADM61005 Hepatitis
	139	12.8	53.3	38	12	ADM60917 Hepatitis
c	140	12.6	52.5	19	3	AAZ71703 Human bia
c	141	12.6	52.5	20	10	ADG73652 PCR prime
	142	12.6	52.5	20	10	ADA66504 Transform
	143	12.6	52.5	20	12	ADF83193 Human IGF
	144	12.6	52.5	20	12	ADF83011 Antisense
c	145	12.6	52.5	20	13	ADR98637 Human ins
	146	12.6	52.5	20	13	ADR98672 Human ins
	147	12.6	52.5	20	13	ADR98538 Human ins
c	148	12.6	52.5	21	2	AAT86478 Human JV1
c	149	12.6	52.5	24	6	ABZ30866 Candida a
	150	12.6	52.5	24	10	ADG18879 Amylolyti
	151	12.6	52.5	25	9	ACI48377 Human mic
c	152	12.6	52.5	26	12	ADL33474 HIV gag-p
	153	12.6	52.5	30	12	ADP45976 PCR prime
c	154	12.6	52.5	31	10	ADF68996 PCR prime
	155	12.6	52.5	36	4	AAC86617 PCR prime
	156	12.6	52.5	36	8	ACD66468 Anti-HCV
	157	12.6	52.5	37	12	ADM64456 Hepatitis
	158	12.6	52.5	37	12	ADI92395 Anti-HCV
c	159	12.4	51.7	17	10	ADI50958 Human tum
	160	12.4	51.7	19	3	AAZ69921 Human bia
	161	12.4	51.7	19	3	AAA89000 Toxoplasm
	162	12.4	51.7	19	12	ADE93568 T. gondii
	163	12.4	51.7	19	12	ADK60796 Toxoplasm
	164	12.4	51.7	24	2	AAX81543 PCR prime
	165	12.4	51.7	24	3	AAA88225 Human pp3
	166	12.4	51.7	24	6	ABQ93759 Minimally
	167	12.4	51.7	24	6	ABA05378 Aba05378 Human cla
c	168	12.4	51.7	24	6	ABI87736 Abi87736 Capture o
	169	12.4	51.7	24	6	ABI87737 Abi87737 Capture o
c	170	12.4	51.7	24	12	ADQ29931 Adq29931 Rat VR1 e
c	171	12.4	51.7	25	9	ACI72739 Aci72739 Human mic
	172	12.4	51.7	25	9	ACH61994 Ach61994 DNA targe
	173	12.4	51.7	29	10	ADC54013 Adc54013 SAM4 PCR
	174	12.4	51.7	30	6	ABX70185 Abx70185 Novel Hel
c	175	12.4	51.7	30	6	ABX68196 Abx68196 Novel Hel
	176	12.4	51.7	30	6	ABA99573 Aba99573 Type I cy
c	177	12.4	51.7	30	13	ADR22761 Adr22761 DNA/RNA p
	178	12.4	51.7	32	3	AAZ58466 Aaz58466 Echovirus
c	179	12.4	51.7	32	3	AAZ88994 Aaz88994 A. thalia
c	180	12.4	51.7	32	3	AAZ88996 Aaz88996 A. thalia
c	181	12.4	51.7	32	3	AAZ89004 Aaz89004 A. thalia
c	182	12.4	51.7	32	3	AAZ89000 Aaz89000 A. thalia
c	183	12.4	51.7	32	3	AAZ88990 Aaz88990 S. avermi
c	184	12.4	51.7	32	3	AAZ89002 Aaz89002 A. thalia
c	185	12.4	51.7	32	3	AAZ88988 Aaz88988 S. avermi
c	186	12.4	51.7	32	4	AAH21137 Aah21137 Tagetes p
c	187	12.4	51.7	32	4	AAF61150 Aaf61150 B. napus
c	188	12.4	51.7	32	6	AAL46045 Aal46045 OCS termi
c	189	12.4	51.7	32	6	AAL46061 Aal46061 OCS termi
	190	12.4	51.7	32	13	ADR32777 Adr32777 Human nic
	191	12.4	51.7	32	13	ADR33528 Adr33528 Human nic
	192	12.4	51.7	34	11	ADM92828 Adm92828 SNP-conta
	193	12.4	51.7	35	2	AAV79589 Aav79589 Amphotrop
	194	12.4	51.7	36	6	ABX03031 Abx03031 HCV hamme
	195	12.4	51.7	36	6	ABX02425 Abx02425 HCV hamme
	196	12.4	51.7	36	12	ADI59393 Adi59393 Inozyme s
	197	12.4	51.7	36	12	ADI59403 Adi59403 Inozyme s
	198	12.4	51.7	37	3	AAZ48353 Aaz48353 Primer sp
	199	12.4	51.7	38	4	AAH96494 Aah96494 Human Chk
	200	12.4	51.7	38	4	AAH96482 Aah96482 Human Chk
	201	12.4	51.7	38	4	ABK08396 Abk08396 Human CD2
	202	12.4	51.7	38	4	ABK05284 Abk05284 Human NOG
	203	12.4	51.7	38	4	ABK08411 Abk08411 Human CD2
	204	12.4	51.7	38	4	ABK05287 Abk05287 Human NOG
	205	12.4	51.7	38	4	ABK05141 Abk05141 Human NOG
	206	12.4	51.7	38	6	ABK58028 Abk58028 Human CLC
	207	12.4	51.7	38	6	ACN28389 Acn28389 WNV minus
	208	12.4	51.7	38	6	ACN29078 Acn29078 WNV minus
	209	12.4	51.7	38	6	ACN29906 Acn29906 WNV minus
	210	12.4	51.7	38	6	ACN17562 Acn17562 WNV Inozy
	211	12.4	51.7	38	6	ACN27254 Acn27254 WNV minus
	212	12.4	51.7	38	6	ACN15925 Acn15925 WNV Hamme
	213	12.4	51.7	38	6	ACN16900 Acn16900 WNV Inozy
	214	12.4	51.7	38	6	ACN18061 Acn18061 WNV Inozy
	215	12.4	51.7	38	6	ACN30001 Acn30001 WNV minus
	216	12.4	51.7	38	6	ACN28179 Acn28179 WNV minus
	217	12.4	51.7	38	6	ACN28855 Acn28855 WNV minus
	218	12.4	51.7	38	6	ACN29936 Acn29936 WNV minus
	219	12.4	51.7	38	6	ACN30502 Acn30502 WNV minus
	220	12.4	51.7	38	6	ACN30387 Acn30387 WNV minus
	221	12.4	51.7	38	6	ACN26812 Acn26812 WNV minus
	222	12.4	51.7	38	8	ACA07009 Aca07009 Necrosis
	223	12.4	51.7	38	8	ACD50405 Acd50405 HBV hamme
	224	12.4	51.7	38	8	ACD51828 Acd51828 HBV inozy
	225	12.4	51.7	38	8	ACD52339 Acd52339 HBV inozy
	226	12.4	51.7	38	11	ADL73489 Adl73489 Human PKR
	227	12.4	51.7	38	11	ADL52298 Adl52298 Human NOG
	228	12.4	51.7	38	11	ADL52354 Adl52354 Human NOG
	229	12.4	51.7	38	12	ADM61136 Adm61136 Hepatitis
	230	12.4	51.7	38	12	ADM60432 Adm60432 Hepatitis
	231	12.4	51.7	38	12	ADM61392 Adm61392 Hepatitis
c	232	12.4	51.7	40	2	AAT71199 Aat71199 HPV type
	233	12.2	50.8	17	8	ADB05109 Adb05109 Human MDZ
	234	12.2	50.8	20	2	AAQ81299 Aaq81299 Ribozyme
c	235	12.2	50.8	20	9	ACH66339 Ach66339 Yeast mut
c	236	12.2	50.8	20	9	ACH66351 Ach66351 Yeast mut
c	237	12.2	50.8	20	9	ACH66347 Ach66347 Yeast mut
	238	12.2	50.8	21	2	AAZ28395 Aaz28395 RHAMM sen
	239	12.2	50.8	21	10	ADD68270 Add68270 PCR prime

824	11.4	47.5	38	6	ACN17557	Acn17557 WNV Inozy
825	11.4	47.5	38	6	ACN29612	Acn29612 WNV minus
826	11.4	47.5	38	8	ACD51402	Acd51402 HBV hamme
827	11.4	47.5	38	8	ACD52035	Acd52035 HBV inozy
828	11.4	47.5	38	8	ACD50495	Acd50495 HBV hamme
829	11.4	47.5	38	8	ACD52969	Acd52969 HBV inozy
830	11.4	47.5	38	8	ACD52569	Acd52569 HBV inozy
831	11.4	47.5	38	8	ACD51616	Acd51616 HBV hamme
c 832	11.4	47.5	38	8	ACD52155	Acd52155 HBV inozy
833	11.4	47.5	38	8	ACD51228	Acd51228 HBV hamme
834	11.4	47.5	38	8	ACD52272	Acd52272 HBV inozy
835	11.4	47.5	38	11	ADL75215	Adl75215 Human PTG
836	11.4	47.5	38	11	ADL53825	Adl53825 Human IKK
837	11.4	47.5	38	11	ADL75275	Adl75275 Human PTG
838	11.4	47.5	38	11	ADL75546	Adl75546 Human PTG
839	11.4	47.5	38	11	ADL73473	Adl73473 Human PKR
840	11.4	47.5	38	11	ADL56017	Adl56017 Human PKR
841	11.4	47.5	38	11	ADL56198	Adl56198 Human PKR
842	11.4	47.5	38	11	ADL75364	Adl75364 Human PTG
843	11.4	47.5	38	11	ADM55042	Adm55042 NCH riboz
844	11.4	47.5	38	11	ADM54893	Adm54893 NCH riboz
845	11.4	47.5	38	11	ADM55040	Adm55040 NCH riboz
846	11.4	47.5	38	12	ADM61031	Adm61031 Hepatitis
847	11.4	47.5	38	12	ADM61520	Adm61520 Hepatitis
848	11.4	47.5	38	12	ADM61376	Adm61376 Hepatitis
849	11.4	47.5	38	12	ADM60847	Adm60847 Hepatitis
850	11.4	47.5	38	12	ADM60919	Adm60919 Hepatitis
c 851	11.4	47.5	38	12	ADM61310	Adm61310 Hepatitis
852	11.4	47.5	38	12	ADM61241	Adm61241 Hepatitis
853	11.4	47.5	38	12	ADM60471	Adm60471 Hepatitis
854	11.4	47.5	38	12	ADM61716	Adm61716 Hepatitis
c 855	11.4	47.5	39	2	AAV85647	Aav85647 LRP5 exon
c 856	11.4	47.5	39	12	ADH56173	Adh56173 Human ELO
c 857	11.4	47.5	40	2	AAQ12741	Aaq12741 UidC-1 pr
858	11.4	47.5	40	6	ABN88712	Abn88712 E2F aptam
859	11.2	46.7	17	6	ABK26104	Abk26104 Amino aci
c 860	11.2	46.7	17	6	ABK26103	Abk26103 Amino aci
c 861	11.2	46.7	17	6	ACN02323	Acn02323 WNV Inozy
862	11.2	46.7	17	6	ACN12995	Acn12995 WNV minus
863	11.2	46.7	17	8	ADB05108	Adb05108 Human MDZ
864	11.2	46.7	17	8	ADB05110	Adb05110 Human MDZ
c 865	11.2	46.7	17	12	ADN44794	Adn44794 Mutant ce
866	11.2	46.7	17	12	ADN44795	Adn44795 Mutant ce
c 867	11.2	46.7	18	2	AAQ12912	Aaq12912 Oligonucl
c 868	11.2	46.7	18	5	AAF89361	Aaf89361 Sample me
869	11.2	46.7	18	8	ABZ10840	Abz10840 Haematopo
870	11.2	46.7	18	10	ADB54648	Adb54648 Hybridisa
871	11.2	46.7	18	10	ADC70203	Adc70203 Primer ol
872	11.2	46.7	19	12	ADQ62648	Adq62648 Anti-PSEN
873	11.2	46.7	19	13	ADS90248	Ads90248 Oligonucl
c 874	11.2	46.7	19	13	ADR79256	Adr79256 Human apo
875	11.2	46.7	19	13	ADR78758	Adr78758 Human apo
876	11.2	46.7	19	13	ADR79307	Adr79307 Human apo
c 877	11.2	46.7	19	13	ADR77621	Adr77621 Human apo
878	11.2	46.7	19	13	ADR76140	Adr76140 Human apo
879	11.2	46.7	19	13	ADR77672	Adr77672 Human apo
c 880	11.2	46.7	20	2	AAT18343	Aat18343 Tn10 tetr
c 881	11.2	46.7	20	2	AAV68305	Aav68305 Aspergill
882	11.2	46.7	20	2	AAX88669	Aax88669 Human chr
883	11.2	46.7	20	2	AAX99313	Aax99313 C. elegan
c 884	11.2	46.7	20	2	AAZ06106	Aaz06106 PCR prime
c 885	11.2	46.7	20	3	AAA80180	Aaa80180 Hepatitis
886	11.2	46.7	20	6	ABZ31624	Abz31624 Candida a
c 887	11.2	46.7	20	6	ABQ74790	Abq74790 Human TNF
c 888	11.2	46.7	20	6	ABL95986	Abl95986 Brassica
c 889	11.2	46.7	20	10	ADD69018	Add69018 Human B-c
890	11.2	46.7	20	10	ADF72981	Adf72981 Probe rel
891	11.2	46.7	20	12	ADJ18933	Adj18933 Data stor
892	11.2	46.7	20	12	ADJ18970	Adj18970 Data stor
893	11.2	46.7	20	12	ADJ18934	Adj18934 Data stor
894	11.2	46.7	20	12	ADN88649	Adn88649 Mouse epi
c 895	11.2	46.7	20	12	ADO51243	Ado51243 Human c-s
896	11.2	46.7	21	4	AAH50342	Aah50342 Bacterial
897	11.2	46.7	21	4	AAH50338	Aah50338 Bacterial
898	11.2	46.7	21	10	AAL54431	Aal54431 Candidate
899	11.2	46.7	22	2	AAQ36522	Aaq36522 5'-3' seq
c 900	11.2	46.7	22	2	AAV72755	Aav72755 Corn kern
901	11.2	46.7	22	6	ABT06443	Abt06443 RARbeta2
902	11.2	46.7	22	8	ABQ83970	Abq83970 Diaphus t
903	11.2	46.7	22	10	ADH60353	Adh60353 D. theta
904	11.2	46.7	22	10	ADH60321	Adh60321 D. theta
905	11.2	46.7	22	11	ADM83664	Adm83664 Retinoic
c 906	11.2	46.7	22	12	ADG18928	Adg18928 Human G-p
907	11.2	46.7	23	3	AAZ99131	Aaz99131 GADPH gen
908	11.2	46.7	23	7	ADI94718	Adi94718 Murine GA
909	11.2	46.7	23	7	ADI94708	Adi94708 Murine GA
c 910	11.2	46.7	23	8	ACA05080	Aca05080 Flea ultr
911	11.2	46.7	23	8	ADA68203	Ada68203 Chenopodi
c 912	11.2	46.7	23	9	ACD28320	Acd28320 Flea Ultr
913	11.2	46.7	24	4	AAH44774	Aah44774 Human DNA
c 914	11.2	46.7	24	4	AAH75711	Aah75711 Human zin
915	11.2	46.7	24	4	AAH45521	Aah45521 Human dea
c 916	11.2	46.7	24	4	AAS07154	Aas07154 Nuclease
c 917	11.2	46.7	24	5	AAH48308	Aah48308 Human dip
918	11.2	46.7	24	6	ABV77795	Abv77795 Infectiou
919	11.2	46.7	24	6	ACC57356	Acc57356 Zinc fing
920	11.2	46.7	24	6	ABS62368	Abs62368 Analyte s
c 921	11.2	46.7	24	6	AAL43124	Aal43124 Tumour ce
922	11.2	46.7	24	12	ADH56333	Adh56333 Human S30
923	11.2	46.7	24	12	ADH56336	Adh56336 Human S30
c 924	11.2	46.7	25	4	AAH38959	Aah38959 SNP speci
925	11.2	46.7	25	8	ADB05691	Adb05691 Human MDZ
926	11.2	46.7	25	9	ACI02416	Aci02416 Human mic
927	11.2	46.7	25	9	ACI95888	Aci95888 Human mic
928	11.2	46.7	25	9	ACI16538	Aci16538 Human mic
c 929	11.2	46.7	25	9	ACK05395	Ack05395 Human mic
c 930	11.2	46.7	25	9	ACI08478	Aci08478 Human mic
931	11.2	46.7	25	9	ACI67092	Aci67092 Human mic
c 932	11.2	46.7	25	9	ACI73237	Aci73237 Human mic
933	11.2	46.7	25	9	ACI41155	Aci41155 Human mic
934	11.2	46.7	25	9	ACI01355	Aci01355 Human mic
c 935	11.2	46.7	25	9	ACK23301	Ack23301 Human mic
936	11.2	46.7	25	9	ACI81310	Aci81310 Human mic
c 937	11.2	46.7	25	9	ACI31857	Aci31857 Human mic
938	11.2	46.7	25	9	ACI59907	Aci59907 Human mic
c 939	11.2	46.7	25	9	ACI04608	Aci04608 Human mic
c 940	11.2	46.7	25	9	ACI36699	Aci36699 Human mic
941	11.2	46.7	25	9	ACI15440	Aci15440 Human mic
942	11.2	46.7	25	9	ACI17174	Aci17174 Human mic
943	11.2	46.7	25	9	ACK01522	Ack01522 Human mic
944	11.2	46.7	25	9	ACI31215	Aci31215 Human mic
c 945	11.2	46.7	25	9	ACI17450	Aci17450 Human mic
946	11.2	46.7	25	9	ACI80061	Aci80061 Human mic
947	11.2	46.7	25	9	ACI65530	Aci65530 Human mic
948	11.2	46.7	25	9	ACI02656	Aci02656 Human mic
949	11.2	46.7	25	9	ACI03212	Aci03212 Human mic
950	11.2	46.7	25	9	ACI91298	Aci91298 Human mic
c 951	11.2	46.7	25	9	ACI21547	Aci21547 Human mic
952	11.2	46.7	25	9	ACH51505	Ach51505 DNA targe
c 953	11.2	46.7	25	9	ACH54280	Ach54280 DNA targe
c 954	11.2	46.7	25	12	ADO16377	Ado16377 4 synthes
c 955	11.2	46.7	25	13	ADR57717	Adr57717 Drug ther
c 956	11.2	46.7	25	13	ADR57719	Adr57719 Drug ther
c 957	11.2	46.7	25	13	ADR57718	Adr57718 Drug ther
c 958	11.2	46.7	26	2	AAV02922	Aav02922 Human IL-
959	11.2	46.7	26	3	AAC67506	Aac67506 Alzheimer
c 960	11.2	46.7	26	4	AAF87963	Aaf87963 Human int
c 961	11.2	46.7	26	6	ADI17427	Adi17427 PCR prime
962	11.2	46.7	26	10	ADD43429	Add43429 Human mit
c 963	11.2	46.7	26	12	ADN42516	Adn42516 Human NOV
c 964	11.2	46.7	26	12	ADO17820	Ado17820 Primer of
c 965	11.2	46.7	27	5	AAS07987	Aas07987 Human G-p
c 966	11.2	46.7	27	11	ADL96519	Adl96519 Human G p
c 967	11.2	46.7	27	12	ADQ37705	Adq37705 Human G-p
c 968	11.2	46.7	28	2	AAQ13258	Aaq13258 BC1 probe
969	11.2	46.7	28	2	AAQ13259	Aaq13259 BC1IC pro

c 970	11.2	46.7	28	6	ABK66667	Abk66667 Human gen
971	11.2	46.7	29	6	ABL35607	Abl35607 Immunosti
972	11.2	46.7	30	2	AAQ47318	Aaq47318 PCR prime
973	11.2	46.7	30	2	AAQ98753	Aaq98753 Primer fo
974	11.2	46.7	30	2	AAV04899	Aav04899 3' PCR pr
c 975	11.2	46.7	30	2	AAZ10873	Aaz10873 PCR prime
976	11.2	46.7	30	8	ADA14742	Ada14742 Human int
977	11.2	46.7	30	8	ABX11081	Abx11081 PCR prime
978	11.2	46.7	30	9	ADA37411	Ada37411 Human int
979	11.2	46.7	30	10	AAD61406	Aad61406 Interleuk
980	11.2	46.7	30	13	ADR43944	Adr43944 Human IL-
981	11.2	46.7	31	4	AAI30313	Aai30313 Human sin
c 982	11.2	46.7	31	4	AAI30485	Aai30485 Human sin
983	11.2	46.7	31	6	AAD31817	Aad31817 Gossypium
984	11.2	46.7	31	6	ABL35951	Abl35951 M. jannas
985	11.2	46.7	31	6	ACN34528	Acn34528 WNV minus
986	11.2	46.7	31	8	ACD57461	Acd57461 HCV DNAzy
987	11.2	46.7	31	12	ADI87878	Adi87878 HCV DNAzy
c 988	11.2	46.7	31	12	ADI88431	Adi88431 HCV DNAzy
c 989	11.2	46.7	33	2	AAQ31148	Aaq31148 Probe 117
c 990	11.2	46.7	33	2	AAQ46454	Aaq46454 Hepatitis
991	11.2	46.7	33	3	AAZ56930	Aaz56930 Luciferas
992	11.2	46.7	33	3	AAA53957	Aaa53957 Mutagenic
c 993	11.2	46.7	33	3	AAA53958	Aaa53958 Mutagenic
994	11.2	46.7	33	6	ABV75468	Abv75468 Binding p
c 995	11.2	46.7	33	10	ABT23314	Abt23314 VEGF bind
c 996	11.2	46.7	33	12	ADK18237	Adk18237 Mouse VEG
997	11.2	46.7	34	4	AAH22854	Aah22854 Nucleotid
c 998	11.2	46.7	34	12	ADO05187	Ado05187 A. thalia
c 999	11.2	46.7	34	12	ADO61186	Ado61186 A. thalia
c1000	11.2	46.7	34	12	ADO71274	Ado71274 A. thalia

ALIGNMENTS

RESULT 1
ADD28213
ID ADD28213 standard; DNA; 24 BP.
XX
AC ADD28213;
XX
DT 15-JAN-2004 (first entry)
XX
DE E. coli-specific PCR primer #4 used in detection method.
XX
KW Escherichia coli detection; microorganism; water sample; food sample;
KW biological specimen; E. coli detection; PCR; primer; ss.
XX
OS Escherichia coli.
XX
PN US2003113731-A1.
XX
PD 19-JUN-2003.
XX
PF 19-DEC-2001; 2001US-00025137.
XX
PR 19-DEC-2001; 2001US-00025137.
XX
PA (LIUL/) LIU L.
PA (CHUN/) CHUNG T.
PA (TERN/) TERNG H.
XX
PI Liu L, Chung T, Terng H;
XX
DR WPI; 2003-810889/76.
XX
PT Detecting Escherichia coli in water sample, food sample or biological
PT sample by amplifying the nucleic acid from the microorganism, and
PT detecting the amplification product.
XX
PS Claim 1; Page 1; 9pp; English.
XX
CC The present invention relates to a method for detecting Escherichia coli.
CC The method involves providing a sample having a nucleic acid from an
CC unknown microorganism, amplifying the nucleic acid with an upstream
CC primer and a down stream primer, each primer being 18-40 nucleotides in
CC length and detecting an amplification product, where detection of the
CC amplification product indicates the presence of E. coli. The invention
CC also discloses E. coli-specific probes. The method of the invention is
CC useful for detecting E. coli in water samples, food samples or biological
CC specimens such as a specimen from a patient. The method is a fast,
CC accurate, and sensitive method for E. coli detection. The present
CC sequence represents an E. coli-specific PCR primer used in the method of
CC the invention.
XX
SQ Sequence 24 BP; 4 A; 3 C; 8 G; 9 T; 0 U; 0 Other;

Query Match 100.0%; Score 24; DB 10; Length 24;
Best Local Similarity 100.0%; Pred. No. 0.17;
Matches 24; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 ACGCCGTTAGGTGTATTGATTGTG 24
||||||||||||||||||||||||
Db 1 ACGCCGTTAGGTGTATTGATTGTG 24

RESULT 2
ADR23450
ID ADR23450 standard; DNA; 24 BP.
XX
AC ADR23450;
XX
DT 04-NOV-2004 (first entry)
XX
DE PCR primer N2 for detecting E coli by novel detection method.
XX
KW ss; primer; assay; pathogen; hybridization; Staphylococcus;
KW Escherichia coli; Salmonella; food; cosmetic; pharmaceuticals;
KW PCR primer.
XX
OS Escherichia coli.
XX
PN EP1447454-A1.
XX
PD 18-AUG-2004.
XX
PF 14-FEB-2003; 2003EP-00003407.
XX
PR 14-FEB-2003; 2003EP-00003407.
XX
PA (CHIP-) CHIP BIOTECHNOLOGY INC.
XX
PI Lin C, Chen C, Chen M, Huang M;
XX
DR WPI; 2004-595623/58.
XX
PT Determining pathogen in sample e.g. food, by amplifying sample nucleic
PT acid using pathogen-specific primers, transferring amplified sequence to
PT carrier having sequence complementary to target sequence and detecting
PT hybridization pattern.
XX
PS Disclosure; SEQ ID NO 2; 21pp; English.
XX
CC The invention relates to an assay (M1) for determining presence/absence
CC of pathogen in sample by specifically amplifying a target nucleic acid
CC obtained from sample using pathogen-specific primers, transferring
CC amplified sequence to a carrier that contains on its pre-selected
CC locations a sequence complementary to amplified sequence and detecting
CC hybridization at any locations, where pattern of detected hybridization
CC signals is indicative of presence/absence of given pathogen. (M1) is
CC useful for determining in a sample, the presence or absence of a pathogen
CC chosen from the genus Staphylococcus, Escherichia coli and Salmonella, in
CC a product material such as food, cosmetics or pharmaceuticals. This
CC sequence represents a PCR primer used in the method to detect an
CC Escherichia coli organism.

```
XX
SQ   Sequence 24 BP; 4 A; 3 C; 8 G; 9 T; 0 U; 0 Other;

  Query Match             100.0%;  Score 24;  DB 13;  Length 24;
  Best Local Similarity   100.0%;  Pred. No. 0.17;
  Matches   24;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 ACGCCGTTAGGTGTATTGATTGTG 24
              ||||||||||||||||||||||||
Db          1 ACGCCGTTAGGTGTATTGATTGTG 24


RESULT 3
ADD28222
ID   ADD28222 standard; DNA; 18 BP.
XX
AC   ADD28222;
XX
DT   15-JAN-2004  (first entry)
XX
DE   E. coli-specific PCR primer #2 used in detection method.
XX
KW   Escherichia coli detection; microorganism; water sample; food sample;
KW   biological specimen; E. coli detection; PCR; primer; ss.
XX
OS   Escherichia coli.
XX
PN   US2003113731-A1.
XX
PD   19-JUN-2003.
XX
PF   19-DEC-2001; 2001US-00025137.
XX
PR   19-DEC-2001; 2001US-00025137.
XX
PA   (LIUL/) LIU L.
PA   (CHUN/) CHUNG T.
PA   (TERN/) TERNG H.
XX
PI   Liu L,  Chung T,  Terng H;
XX
DR   WPI; 2003-810889/76.
XX
PT   Detecting Escherichia coli in water sample, food sample or biological
PT   sample by amplifying the nucleic acid from the microorganism, and
PT   detecting the amplification product.
XX
PS   Claim 1; Page 1; 9pp; English.
XX
CC   The present invention relates to a method for detecting Escherichia coli.
CC   The method involves providing a sample having a nucleic acid from an
CC   unknown microorganism, amplifying the nucleic acid with an upstream
CC   primer and a down stream primer, each primer being 18-40 nucleotides in
CC   length and detecting an amplification product, where detection of the
CC   amplification product indicates the presence of E. coli. The invention
CC   also discloses E. coli-specific probes. The method of the invention is
CC   useful for detecting E. coli in water samples, food samples or biological
CC   specimens such as a specimen from a patient. The method is a fast,
CC   accurate, and sensitive method for E. coli detection. The present
CC   sequence represents an E. coli-specific PCR primer used in the method of
CC   the invention.
XX
SQ   Sequence 18 BP; 3 A; 0 C; 6 G; 9 T; 0 U; 0 Other;

  Query Match             75.0%;  Score 18;  DB 10;  Length 18;
  Best Local Similarity   100.0%;  Pred. No. 1.1e+02;
  Matches   18;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          7 TTAGGTGTATTGATTGTG 24
              ||||||||||||||||||
Db          1 TTAGGTGTATTGATTGTG 18


RESULT 4
ACD13243/c
ID   ACD13243 standard; DNA; 26 BP.
XX
AC   ACD13243;
XX
DT   13-AUG-2003  (first entry)
XX
DE   Novel human protein associated PCR probe #5.
XX
KW   NOVX; autoimmune disease; allergy; Alzheimer's disease; stroke;
KW   Parkinson's disease; Huntington's disease; multiple sclerosis; addiction;
KW   anxiety; pain; diabetes; glomerulonephritis; obesity;
KW   systemic lupus erythematosus; asthma; scleroderma; pancreatitis;
KW   graft versus host disease; ulcer; anaemia; cancer; trauma; infection;
KW   cardiomyopathy; atherosclerosis; hypertension; AIDS; Crohn's disease;
KW   acquired immunodeficiency syndrome; chromosomal mapping; tissue typing;
KW   forensic biology; predictive medicine; gene therapy; human; probe; ss.
XX
OS   Homo sapiens.
XX
PN   WO200298900-A2.
XX
PD   12-DEC-2002.
XX
PF   04-JUN-2002; 2002WO-US017558.
XX
PR   04-JUN-2001; 2001US-0295607P.
PR   04-JUN-2001; 2001US-0295661P.
PR   06-JUN-2001; 2001US-0296404P.
PR   06-JUN-2001; 2001US-0296418P.
PR   07-JUN-2001; 2001US-0296575P.
PR   11-JUN-2001; 2001US-0297414P.
PR   12-JUN-2001; 2001US-0297567P.
PR   15-JUN-2001; 2001US-0298528P.
PR   18-JUN-2001; 2001US-0299133P.
PR   19-JUN-2001; 2001US-0299230P.
PR   21-JUN-2001; 2001US-0299949P.
PR   22-JUN-2001; 2001US-0300177P.
PR   26-JUN-2001; 2001US-0300883P.
PR   28-JUN-2001; 2001US-0301530P.
PR   28-JUN-2001; 2001US-0301550P.
PR   03-JUL-2001; 2001US-0302951P.
PR   12-SEP-2001; 2001US-0318727P.
PR   27-SEP-2001; 2001US-0325685P.
PR   22-FEB-2002; 2002US-0358814P.
PR   03-JUN-2002; 2002US-00161927.
XX
PA   (CURA-) CURAGEN CORP.
XX
PI   Zerhusen BD,  Kekuda R,  Spytek KA,  Shenoy SG,  Miller CE,  Hjalt T;
PI   Gerlach VL,  Baumgartner JC,  Guo X,  Gangolli EA,  Vernet CAM;
PI   Padigaru M,  Li L,  Pena CEA,  Gorman L,  Anderson DW,  Edinger SR;
PI   Patturajan M,  Stone DJ;
XX
DR   WPI; 2003-140585/13.
XX
PT   Novel isolated NOVX polypeptide useful treating or preventing disorders
PT   or syndromes such as autoimmune disease, allergies, Alzheimer's disease,
PT   stroke, Parkinson's disease, Huntington's disease or multiple sclerosis.
XX
PS   Example 39; Page 250; 408pp; English.
XX
CC   The invention describes an isolated NOVX polypeptide (I) comprising a
CC   sequence selected from a sequence (S1) of 1121, 635, 299, 1720, 176, 583,
CC   214, 395, 1098, 134, 427, 1333, 407, 806, 804, 1253, 382, 1045, 284, 496,
CC   506, 759, 390, 133, 215, 240, 1069, 116, 439, 1138, 477, 316, 269, 219,
CC   305, 406, 460, 365, 380, 829 or 326 amino acids fully defined in the
CC   specification, and the mature form of S1. (I) is useful for treating or
CC   preventing a pathology associated with (I) in a subject, preferably
CC   human, or for identifying an agent that binds to (I), where the agent is
CC   a cellular receptor or a downstream effector. (I), a polynucleotide (II)
CC   encoding (I) or an anti-(I)-antibody (V) is useful treating or preventing
```

CC disorders or syndromes such as autoimmune disease, allergies, Alzheimer's
CC disease, stroke, Parkinson's disease, Huntington's disease, multiple
CC sclerosis, addiction, anxiety, pain, diabetes, glomerulonephritis,
CC systemic lupus erythematosus, asthma, scleroderma, graft versus host
CC disease, pancreatitis, obesity, ulcers, anaemia, cancer, trauma, viral,
CC bacterial or parasitic infections, cardiomyopathy, atherosclerosis,
CC hypertension, acquired immunodeficiency syndrome (AIDS) or Crohn's
CC disease. (I), (II) or (V) is useful in screening assays, detection assays
CC (e.g., chromosomal mapping, tissue typing, forensic biology), predictive
CC medicine (e.g., diagnostic assays, prognostic assays, monitoring clinical
CC trials and pharmacogenomic), and in methods of treatment (e.g.,
CC therapeutic and prophylactic). (II) is useful in gene therapy, to express
CC (I), to detect NOVX mRNA or a genetic lesion in a NOVX gene, and to
CC modulate NOVX activity. This sequence represents a probe used to detect
CC DNA encoding a novel human NOV protein
XX
SQ Sequence 26 BP; 10 A; 7 C; 6 G; 3 T; 0 U; 0 Other;

Query Match 62.5%; Score 15; DB 8; Length 26;
Best Local Similarity 78.3%; Pred. No. 2.8e+03;
Matches 18; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Qy 1 ACGCCGTTAGGTGTATTGATTGT 23
| ||| ||||| || || |||||
Db 25 AGGCCCTTAGGGGTTTTCATTGT 3

RESULT 5
ACI88245/c
ID ACI88245 standard; DNA; 25 BP.
XX
AC ACI88245;
XX
DT 14-OCT-2003 (first entry)
XX
DE Human microarray DNA oligonucleotide SEQ ID NO 88236.
XX
KW EST; ss; probe; expressed sequence tag; microarray; gene expression;
KW genetic variation; biallelic marker; polymorphism; human;
KW cross-species comparison.
XX
OS Homo sapiens.
XX
PN US2003104410-A1.
XX
PD 05-JUN-2003.
XX
PF 15-MAR-2002; 2002US-00098263.
XX
PR 16-MAR-2001; 2001US-0276759P.
XX
PA (AFFY-) AFFYMETRIX INC.
XX
PI Mittmann MP;
XX
DR WPI; 2003-567953/53.
XX
PT New array of nucleic acid probes, useful for in situ hybridization, in
PT Southern, Northern or dot-blot hybridization to identify or detect the
PT sequence or specific mutations of any gene.
XX
PS Claim 1; SEQ ID NO 88236; 9pp; English.
XX
CC The invention discloses a microarray comprising a plurality of nucleic
CC acid probes including one of 2,018,500 fully defined sequences, or its
CC perfect match, perfect mismatch, antisense match or antisense mismatch.
CC Also disclosed is a method of gene expression analysis. The array is used
CC in monitoring gene expression levels by hybridisation to a DNA library,
CC in analysis of genetic variation or in hybridisation of tag-labelled
CC compounds. The nucleic acid probes are specifically designed for analysis
CC of at least one target sequence. The method of analysis comprises
CC hybridising at least one or more nucleic acids to at least two or more
CC nucleic acid probes and detecting the hybridisation. The nucleic acid
CC probes are attached to a solid support. The analysis comprises monitoring
CC gene expression levels, identifying biallelic markers or polymorphisms,
CC or family members of a gene and a cross-species comparison. Each of the
CC nucleic acids further comprises a tag sequence. The array of nucleic acid
CC probes is useful in in situ hybridisation, in Southern, Northern or dot-
CC blot hybridisation to identify or detect the sequence or specific
CC mutations of any gene, in mapping the 5' termini of mRNA molecules by
CC primer extensions or in screening cDNA or genomic libraries or subclones
CC for additional subclones containing segments of DNA that have been
CC isolated and previously sequenced. The sequence presented is one of the
CC nucleic acid probes incorporated in the microarray. Note: The sequence
CC data for this patent can also be obtained in electronic format directly
CC from USPTO at seqdata.uspto.goc/sequence.html
XX
SQ Sequence 25 BP; 7 A; 8 C; 4 G; 6 T; 0 U; 0 Other;

Query Match 61.7%; Score 14.8; DB 9; Length 25;
Best Local Similarity 88.9%; Pred. No. 3.5e+03;
Matches 16; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 4 CCGTTAGGTGTATTGATT 21
|||| |||||||||| |
Db 22 CCGTAAGGTGTATTGAAT 5

RESULT 6
AAT72336
ID AAT72336 standard; DNA; 27 BP.
XX
AC AAT72336;
XX
DT 09-FEB-1998 (first entry)
XX
DE Human Papillomavirus Type 16 target region.
XX
KW Human Papillomavirus; probe; target region; genital cancer; HPV;
KW cervical smear; ss.
XX
OS Human papillomavirus.
XX
PN EP774518-A2.
XX
PD 21-MAY-1997.
XX
PF 15-NOV-1996; 96EP-00308264.
XX
PR 15-NOV-1995; 95US-0006854P.
XX
PA (GENP-) GEN-PROBE INC.
XX
PI Gordon P, Brentano ST, Carter NM, Hammond PW;
XX
DR WPI; 1997-274349/25.
XX
PT Probes for detection of Human Papillomavirus Type 16 and Type 18 - can
PT distinguish between Type 16 and 18, associated with genital cancers.
XX
PS Claim 1; Page 35; 70pp; English.
XX
CC Novel hybridisation assay probes have been developed comprising an
CC oligonucleotide which will hybridise under selected conditions to Human
CC Papillomavirus (HPV) Type 16 and/or 18 (but not Types 6, 11, 31, 33, 35,
CC 39, 45, 51, 52, or 58) target nucleic acids to form detectable target:
CC probe duplex. The present sequence represents a specifically claimed
CC target region. Oligonucleotides are useful to detect HPV Type 16 and/or
CC 18 in samples e.g. cervical smears, body fluid, and distinguish these
CC from other HPV variants. Papillomaviruses are small DNA viruses and HPV
CC Types 16 and 18 are associated with genital cancers. HPV PCR primers can
CC amplify HPV Type 16 and/or 18 nucleic acid in a sample. HPV Type 16
CC and/or 18 can be detected by adding a probe and detecting probe:target
CC duplex formation; target nucleic acid is optionally amplified. Type 16 or
CC 18 can be specifically detected by amplifying nucleic acids with at least
CC one specifically claimed PCR primer. For Type 18 detection, a helper

GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: April 15, 2005, 21:56:28 ; Search time 1750.57 Seconds
(without alignments)
521.854 Million cell updates/sec

Title: US-10-025-137B-4
Perfect score: 24
Sequence: 1 acgccgttaggtgtattgattgtg 24

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 34239544 seqs, 19032134700 residues

Total number of hits satisfying chosen parameters: 94960

Minimum DB seq length: 0
Maximum DB seq length: 40

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database : EST:*
1: gb_est1:*
2: gb_est2:*
3: gb_htc:*
4: gb_est3:*
5: gb_est4:*
6: gb_est5:*
7: gb_est6:*
8: gb_gss1:*
9: gb_gss2:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	13.2	55.0	38	9	CL876499	CL876499 abf12h06.
c	2	13	54.2	27	8	AZ584832	AZ584832 1M0389D18
c	3	13	54.2	33	9	CC887801	CC887801 SALK_1508
c	4	13	54.2	40	1	AI195081	AI195081 ui60d06.x
	5	12.8	53.3	38	8	AZ492049	AZ492049 1M0325N19
	6	12.6	52.5	37	8	BZ377418	BZ377418 SALK_0808
c	7	12.6	52.5	39	1	AU257667	AU257667 AU257667
c	8	12.6	52.5	40	1	AI473924	AI473924 tm04a11.x
c	9	12.4	51.7	21	8	AZ333207	AZ333207 1M0062K12
c	10	12.4	51.7	31	8	AZ829166	AZ829166 2M0106H07
	11	12.2	50.8	27	1	AJ666375	AJ666375 AJ666375
	12	12	50.0	33	8	BH812336	BH812336 SALK_0616
	13	12	50.0	37	1	AA920462	AA920462 vy53a11.r
	14	12	50.0	37	1	AI876199	AI876199 uj59b06.y
c	15	12	50.0	38	7	R37288	R37288 yf67a06.s1
	16	11.8	49.2	22	9	AJ599727	AJ599727 Arabidops
c	17	11.8	49.2	27	8	AZ445466	AZ445466 1M0241L16
c	18	11.8	49.2	27	9	CL871573	CL871573 abe76f01.
c	19	11.8	49.2	32	4	BG963723	BG963723 602831360
	20	11.8	49.2	39	1	AL587616	AL587616 AL587616
c	21	11.8	49.2	40	9	BX185001	BX185001 Danio rer
c	22	11.6	48.3	25	9	AJ589736	AJ589736 Arabidops
c	23	11.6	48.3	25	9	AJ592439	AJ592439 Arabidops
	24	11.6	48.3	28	8	AZ807215	AZ807215 2M0069E24
	25	11.6	48.3	28	8	BZ380495	BZ380495 SALK_1152
	26	11.6	48.3	28	8	BZ594602	BZ594602 SALK_0845
	27	11.6	48.3	28	8	BZ594690	BZ594690 SALK_0850
	28	11.6	48.3	28	8	BZ594968	BZ594968 SALK_0854
	29	11.6	48.3	28	8	BZ596673	BZ596673 SALK_0954
	30	11.6	48.3	28	8	BZ665117	BZ665117 SALK_1107
	31	11.6	48.3	28	8	BZ665191	BZ665191 SALK_1108
	32	11.6	48.3	28	8	BZ766582	BZ766582 SALK_1375
c	33	11.6	48.3	31	1	AI698454	AI698454 tx65e11.x
c	34	11.6	48.3	34	9	BX287582	BX287582 Arabidops
	35	11.6	48.3	36	8	BZ354988	BZ354988 SALK_1262
c	36	11.6	48.3	40	1	AI545600	AI545600 fb67c07.x
c	37	11.4	47.5	24	4	BM397712	BM397712 5009-0-35
	38	11.4	47.5	26	8	BZ748769	BZ748769 EY00570-5
	39	11.4	47.5	28	1	AI491834	AI491834 tn95c05.x
c	40	11.4	47.5	32	9	DR6I20S	AL743853 Danio rer
c	41	11.4	47.5	34	1	AA222577	AA222577 my13g01.r
c	42	11.4	47.5	34	9	AJ589162	AJ589162 Arabidops
c	43	11.4	47.5	36	9	CC793998	CC793998 SALK_0399
	44	11.4	47.5	38	9	CL528472	CL528472 ASV13H05.
	45	11.2	46.7	26	8	BH908631	BH908631 SALK_0497
	46	11.2	46.7	29	8	BH792658	BH792658 SALK_0648
	47	11.2	46.7	29	9	TA72H03Q	AL457987 T. brucei
c	48	11.2	46.7	32	5	BQ036576	BQ036576 SL5-0124
c	49	11.2	46.7	34	4	BI145382	BI145382 602910239
c	50	11.2	46.7	35	2	BF531141	BF531141 602091120
c	51	11.2	46.7	35	2	BF581828	BF581828 602099836
c	52	11.2	46.7	35	8	AZ483109	AZ483109 1M0308N01
c	53	11.2	46.7	36	6	C02216	C02216 HUMGS000656
	54	11.2	46.7	36	8	AZ508187	AZ508187 1M0350I14
c	55	11.2	46.7	37	6	CA851681	CA851681 D16D05_H1
c	56	11.2	46.7	38	8	AZ333303	AZ333303 1M0062O13
	57	11.2	46.7	38	8	AZ863007	AZ863007 2M0170N23
c	58	11.2	46.7	38	9	AJ587225	AJ587225 Arabidops
	59	11.2	46.7	39	9	BX001822	BX001822 Arabidops
c	60	11	45.8	22	8	AZ372259	AZ372259 1M0124J02
	61	11	45.8	25	8	AZ653221	AZ653221 1M0526I17
c	62	11	45.8	28	8	BH909425	BH909425 SALK_0535
c	63	11	45.8	30	6	CA851234	CA851234 D11E09_I2
	64	11	45.8	30	8	AZ458346	AZ458346 1M0262P13
c	65	11	45.8	30	9	AJ599873	AJ599873 Arabidops
c	66	11	45.8	31	1	AI092192	AI092192 qa93h10.s
c	67	11	45.8	34	8	BH846925	BH846925 SALK_0119
c	68	11	45.8	35	9	TA369E01Q	AL496056 T. brucei
c	69	11	45.8	36	4	BJ053967	BJ053967 BJ053967
	70	11	45.8	39	9	TA374E08P	AL495676 T. brucei
c	71	11	45.8	40	8	BZ763612	BZ763612 SALK_1196
c	72	10.8	45.0	20	8	AZ331602	AZ331602 1M0059G10
	73	10.8	45.0	24	9	TA143H10Q	AL467041 T. brucei
	74	10.8	45.0	25	1	AI664044	AI664044 ue73e05.r
c	75	10.8	45.0	28	1	AJ791159	AJ791159 AJ791159
c	76	10.8	45.0	29	8	AZ838103	AZ838103 2M0133I11
c	77	10.8	45.0	30	8	AZ776239	AZ776239 2M0009P07
c	78	10.8	45.0	30	9	TA248B10Q	AL482765 T. brucei
	79	10.8	45.0	31	8	AZ448456	AZ448456 1M0246H08
	80	10.8	45.0	34	8	BH911562	BH911562 SALK_0694
	81	10.8	45.0	35	8	AZ788299	AZ788299 2M0035J17
	82	10.8	45.0	36	2	AW250732	AW250732 2822578.5
c	83	10.8	45.0	36	8	BZ380082	BZ380082 SALK_1145
	84	10.8	45.0	36	8	BZ382076	BZ382076 SALK_1178
	85	10.8	45.0	36	9	CL678018	CL678018 PRI0121d_
	86	10.8	45.0	37	1	AI000163	AI000163 os44d06.s
c	87	10.8	45.0	37	1	AI193871	AI193871 qe80d02.x
c	88	10.8	45.0	37	1	AI338529	AI338529 qq98c08.x
c	89	10.8	45.0	38	8	BH864365	BH864365 SALK_0958
c	90	10.8	45.0	38	9	TA170E05Q	AL474182 T. brucei
c	91	10.8	45.0	39	9	CC889138	CC889138 SALK_1528
c	92	10.8	45.0	39	9	CC889139	CC889139 SALK_1528
c	93	10.8	45.0	39	9	CL523276	CL523276 DAL1E08 F
c	94	10.8	45.0	40	1	AA237539	AA237539 mx28e06.r
c	95	10.8	45.0	40	8	BH853319	BH853319 SALK_0767
c	96	10.6	44.2	26	8	AZ621120	AZ621120 1M0454G07
c	97	10.6	44.2	27	7	D25863	D25863 HUMGS04241

c 98	10.6	44.2	27	8	AZ378215	AZ378215 1M0132E21
c 99	10.6	44.2	28	9	CC795515	CC795515 SALK_0813
100	10.6	44.2	29	8	AZ661529	AZ661529 1M0540J01
101	10.6	44.2	30	9	CL670607	CL670607 PRI0162c_
c 102	10.6	44.2	32	8	AZ481165	AZ481165 1M0303B15
c 103	10.6	44.2	32	8	AZ579513	AZ579513 1M0367F08
c 104	10.6	44.2	34	1	AI308456	AI308456 tb44a12.x
105	10.6	44.2	36	1	AA229793	AA229793 nc51b05.r
c 106	10.6	44.2	37	1	AI424021	AI424021 tf51e06.x
107	10.6	44.2	37	8	BH864617	BH864617 SALK_0963
c 108	10.6	44.2	37	9	AJ590247	AJ590247 Arabidops
c 109	10.6	44.2	38	2	AV960142	AV960142 AV960142
110	10.6	44.2	39	7	CF293973	CF293973 30DGS--03
111	10.6	44.2	39	8	BZ381110	BZ381110 SALK_1162
c 112	10.6	44.2	40	5	BQ035945	BQ035945 SL2-0154
c 113	10.4	43.3	21	8	AZ443032	AZ443032 1M0237G02
c 114	10.4	43.3	24	8	AZ829971	AZ829971 2M0107K20
c 115	10.4	43.3	24	9	TA386D10Q	AL498275 T. brucei
c 116	10.4	43.3	25	7	D20703	D20703 HUMGS01679
117	10.4	43.3	26	8	BH792348	BH792348 SALK_0640
118	10.4	43.3	26	8	BH792353	BH792353 SALK_0640
c 119	10.4	43.3	27	8	AZ309994	AZ309994 1M0018M05
120	10.4	43.3	27	8	AZ442436	AZ442436 1M0236L19
121	10.4	43.3	30	8	AZ428415	AZ428415 1M0210I21
c 122	10.4	43.3	30	9	CL524406	CL524406 DAM1H05 F
c 123	10.4	43.3	31	1	AU244465	AU244465 AU244465
c 124	10.4	43.3	31	9	AL762604	AL762604 Arabidops
c 125	10.4	43.3	32	7	CF291137	CF291137 14ROOT--0
c 126	10.4	43.3	32	9	DME545760	AJ545760 Drosophil
c 127	10.4	43.3	33	4	BG642379	BG642379 7b1 Droso
128	10.4	43.3	33	6	C21312	C21312 HUMGS000239
c 129	10.4	43.3	33	9	AJ590956	AJ590956 Arabidops
130	10.4	43.3	34	1	AA890011	AA890011 aj89h12.s
131	10.4	43.3	34	8	AZ626219	AZ626219 1M0466B23
132	10.4	43.3	34	8	BZ662436	BZ662436 SALK_0259
c 133	10.4	43.3	34	9	AG193018	AG193018 Pan trogl
c 134	10.4	43.3	37	1	AV845588	AV845588 AV845588
135	10.4	43.3	38	8	BH856197	BH856197 SALK_0832
c 136	10.4	43.3	39	7	T24465	T24465 EST040 Huma
c 137	10.4	43.3	39	8	AZ361607	AZ361607 1M0106F02
138	10.4	43.3	39	8	AZ480663	AZ480663 1M0302D20
c 139	10.4	43.3	40	1	AA934199	AA934199 SWOvL3CAN
140	10.4	43.3	40	7	R55306	R55306 yj77f05.s1
c 141	10.4	43.3	40	8	AZ575900	AZ575900 AST-T22B0
c 142	10.4	43.3	40	9	HSMC16F08	X88361 H.sapiens D
c 143	10.2	42.5	20	8	AZ791617	AZ791617 2M0041B10
c 144	10.2	42.5	22	8	AZ796543	AZ796543 2M0052N16
c 145	10.2	42.5	23	8	AZ508655	AZ508655 1M0351J07
c 146	10.2	42.5	24	4	BG899201	BG899201 HOA17-1-F
c 147	10.2	42.5	24	8	AZ662500	AZ662500 1M0541G07
c 148	10.2	42.5	25	8	AQ025670	AQ025670 l(2)09259
149	10.2	42.5	25	8	AZ633010	AZ633010 1M0488A04
150	10.2	42.5	27	8	AZ807914	AZ807914 2M0071P03
c 151	10.2	42.5	28	1	AA887019	AA887019 nz50a08.s
c 152	10.2	42.5	28	1	AI687084	AI687084 tp84b01.x
c 153	10.2	42.5	28	1	AU257170	AU257170 AU257170
c 154	10.2	42.5	28	8	AZ514563	AZ514563 1M0361N09
c 155	10.2	42.5	29	9	CL667743	CL667743 PRI0155d_
156	10.2	42.5	30	5	BX569324	BX569324 BX569324
c 157	10.2	42.5	30	8	AZ590979	AZ590979 1M0400A23
c 158	10.2	42.5	30	8	BZ762046	BZ762046 SALK_0854
c 159	10.2	42.5	30	8	BZ762048	BZ762048 SALK_0854
c 160	10.2	42.5	31	7	D18721	D18721 MUSGS01783
161	10.2	42.5	31	8	BH810544	BH810544 SALK_0498
162	10.2	42.5	31	8	BH903544	BH903544 SALK_1028
163	10.2	42.5	32	8	AZ815330	AZ815330 2M0083D05
164	10.2	42.5	33	8	AZ579574	AZ579574 1M0367M06
c 165	10.2	42.5	33	8	AZ797199	AZ797199 2M0053K13
c 166	10.2	42.5	33	8	CC458013	CC458013 SALK_1147
c 167	10.2	42.5	33	9	AG613375	AG613375 Escherich
168	10.2	42.5	33	9	CR359691	CR359691 Arabidops
c 169	10.2	42.5	33	9	TA34G07P	AL452996 T. brucei
c 170	10.2	42.5	34	1	AA734076	AA734076 vs19b04.r
171	10.2	42.5	34	8	BH849556	BH849556 SALK_0698
172	10.2	42.5	34	8	BZ380468	BZ380468 SALK_1151
c 173	10.2	42.5	35	1	AU257271	AU257271 AU257271
c 174	10.2	42.5	35	5	BU198441	BU198441 DCBCHE05
175	10.2	42.5	35	8	AZ467050	AZ467050 1M0278K12
c 176	10.2	42.5	35	8	BH812295	BH812295 SALK_0615
177	10.2	42.5	35	8	BZ381584	BZ381584 SALK_1169
178	10.2	42.5	35	8	BZ381585	BZ381585 SALK_1169
179	10.2	42.5	35	9	CR396939	CR396939 Arabidops
c 180	10.2	42.5	36	1	AU271090	AU271090 AU271090
181	10.2	42.5	36	6	CA795960	CA795960 Cac_BL_29
c 182	10.2	42.5	36	8	AQ073401	AQ073401 EP(2)2212
183	10.2	42.5	36	8	AZ308280	AZ308280 1M0011B10
c 184	10.2	42.5	36	8	BH865208	BH865208 SALK_0975
c 185	10.2	42.5	36	8	BZ352789	BZ352789 SALK_0823
c 186	10.2	42.5	37	8	AZ503091	AZ503091 1M0342P12
187	10.2	42.5	37	9	CL517452	CL517452 SAC7F01 F
188	10.2	42.5	38	5	BX555595	BX555595 BX555595
189	10.2	42.5	38	8	AZ428738	AZ428738 1M0212C20
c 190	10.2	42.5	38	8	BH814246	BH814246 SALK_0659
191	10.2	42.5	38	8	BH904654	BH904654 SALK_1048
c 192	10.2	42.5	38	9	BX547135	BX547135 Arabidops
c 193	10.2	42.5	39	8	AZ483938	AZ483938 1M0309G20
194	10.2	42.5	40	8	AZ808439	AZ808439 2M0072B04
195	10.2	42.5	40	8	BH809944	BH809944 SALK_0368
c 196	10.2	42.5	40	9	AL947087	AL947087 Arabidops
c 197	10.2	42.5	40	9	BX200119	BX200119 Danio rer
c 198	10.2	42.5	40	9	BX291691	BX291691 Arabidops
c 199	10	41.7	19	7	CF334260	CF334260 JMT--03-H
c 200	10	41.7	19	8	AZ623663	AZ623663 1M0461E07
c 201	10	41.7	22	8	AZ346725	AZ346725 1M0082P06
202	10	41.7	25	8	AZ610369	AZ610369 1M0435C11
203	10	41.7	25	8	BH759572	BH759572 KG05115-5
c 204	10	41.7	26	8	AZ588392	AZ588392 1M0396L12
205	10	41.7	26	8	CC179082	CC179082 SALK_0582
c 206	10	41.7	26	9	AG190989	AG190989 Pan trogl
c 207	10	41.7	28	1	AI590411	AI590411 ts10b12.x
c 208	10	41.7	28	1	AU259762	AU259762 AU259762
c 209	10	41.7	28	8	AZ382170	AZ382170 1M0139L06
c 210	10	41.7	28	8	AZ759763	AZ759763 1M0552A21
c 211	10	41.7	28	8	BH905737	BH905737 SALK_1076
212	10	41.7	28	9	CL686485	CL686485 PRI0144b_
213	10	41.7	29	8	AZ491277	AZ491277 1M0324E14
214	10	41.7	29	8	BZ595946	BZ595946 SALK_0904
215	10	41.7	29	8	BZ595947	BZ595947 SALK_0904
c 216	10	41.7	30	9	AJ593242	AJ593242 Arabidops
217	10	41.7	31	1	AJ237257	AJ237257 AJ237257
c 218	10	41.7	31	1	AU256778	AU256778 AU256778
c 219	10	41.7	31	8	AZ345749	AZ345749 1M0080O05
220	10	41.7	31	8	BH855984	BH855984 SALK_0838
c 221	10	41.7	31	8	BZ592716	BZ592716 SALK_0290
222	10	41.7	31	9	AJ601093	AJ601093 Arabidops
223	10	41.7	31	9	AJ601161	AJ601161 Arabidops
224	10	41.7	32	1	AJ678193	AJ678193 AJ678193
225	10	41.7	32	5	BW593004	BW593004 BW593004
c 226	10	41.7	32	8	AZ423818	AZ423818 1M0203P20
227	10	41.7	32	8	AZ806592	AZ806592 2M0068E17
228	10	41.7	32	8	AZ826689	AZ826689 2M0102D07
229	10	41.7	32	8	BZ762144	BZ762144 SALK_0904
c 230	10	41.7	33	7	CF269589	CF269589 Fcylcold7
231	10	41.7	33	8	BH791143	BH791143 SALK_0588
232	10	41.7	33	8	CC053422	CC053422 SALK_0428
233	10	41.7	33	9	AB082324	AB082324 Drosophil
c 234	10	41.7	33	9	TA210G07Q	AL478794 T. brucei
c 235	10	41.7	34	1	AA176515	AA176515 zp37a12.r
c 236	10	41.7	34	1	AV845045	AV845045 AV845045
c 237	10	41.7	34	4	BJ057938	BJ057938 BJ057938
c 238	10	41.7	34	8	AZ656870	AZ656870 1M0532L10
c 239	10	41.7	35	8	AZ313503	AZ313503 1M0029H11
240	10	41.7	35	8	AZ454138	AZ454138 1M0256A01
241	10	41.7	35	9	AL953119	AL953119 Arabidops
242	10	41.7	35	9	CL528737	CL528737 ASV6H11.f
c 243	10	41.7	36	8	AZ849598	AZ849598 2M0151P06

GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: April 15, 2005, 22:03:45 ; Search time 69.7143 Seconds
(without alignments)
563.308 Million cell updates/sec

Title: US-10-025-137B-4
Perfect score: 24
Sequence: 1 acgccgttaggtgtattgattgtg 24

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 1132682

Minimum DB seq length: 0
Maximum DB seq length: 40

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database : Issued_Patents_NA:*
1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*
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5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	15	62.5	38	4	US-09-371-772B-13824	Sequence 13824, A
	2	14.6	60.8	27	4	US-08-749-955-9	Sequence 9, Appli
c	3	14.6	60.8	27	4	US-08-749-955-10	Sequence 10, Appl
	4	14.6	60.8	27	4	US-08-749-955-11	Sequence 11, Appl
c	5	14.6	60.8	27	4	US-08-749-955-12	Sequence 12, Appl
c	6	14.2	59.2	25	4	US-08-749-955-25	Sequence 25, Appl
	7	14.2	59.2	25	4	US-08-749-955-26	Sequence 26, Appl
c	8	14.2	59.2	25	4	US-08-749-955-27	Sequence 27, Appl
	9	14.2	59.2	25	4	US-08-749-955-28	Sequence 28, Appl
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c	16	13.4	55.8	29	1	US-08-133-598A-34	Sequence 34, Appl
c	17	13.4	55.8	29	1	US-08-886-999-34	Sequence 34, Appl
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	21	13.4	55.8	38	4	US-09-371-772B-13233	Sequence 13233, A
	22	13.4	55.8	38	4	US-09-371-772B-13367	Sequence 13367, A
	23	13.4	55.8	38	4	US-09-371-772B-13571	Sequence 13571, A
c	24	13.2	55.0	23	4	US-09-821-803A-15	Sequence 15, Appl
c	25	13.2	55.0	25	4	US-09-396-196G-108836	Sequence 108836,
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	27	13	54.2	38	4	US-09-371-772B-13400	Sequence 13400, A
	28	13	54.2	38	4	US-09-371-772B-13527	Sequence 13527, A
	29	13	54.2	38	4	US-09-371-772B-13750	Sequence 13750, A
	30	13	54.2	40	4	US-10-123-071-16	Sequence 16, Appl
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	244	11.4	47.5	38	4	US-09-371-772B-12055	Sequence 12055, A
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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	8	15	62.5	38	17	US-10-138-674-16101	Sequence 16101, A
	9	15	62.5	38	18	US-10-287-949A-16101	Sequence 16101, A
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Sequence: 1 aatacataacagaaacctgaaacacaa 27

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 4708233 seqs, 24227607955 residues

Total number of hits satisfying chosen parameters: 7317552

Minimum DB seq length: 0
Maximum DB seq length: 1000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database :
GenEmbl:*
1: gb_ba:*
2: gb_htg:*
3: gb_in:*
4: gb_om:*
5: gb_ov:*
6: gb_pat:*
7: gb_ph:*
8: gb_pl:*
9: gb_pr:*
10: gb_ro:*
11: gb_sts:*
12: gb_sy:*
13: gb_un:*
14: gb_vi:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	27	100.0	27	6	AX781567	AX781567 Sequence
	2	21.2	78.5	344	6	CQ739233	CQ739233 Sequence
c	3	20.4	75.6	346	5	AY239607	AY239607 Mullus ba
	4	20.2	74.8	637	6	AX229948	AX229948 Sequence
	5	19.6	72.6	211	11	BV007831	BV007831 MASC_STS1
	6	19.6	72.6	227	11	BV007641	BV007641 MASC_STS1
c	7	19.6	72.6	375	4	MMAJ0699	AJ230699 Meles mel
c	8	19.6	72.6	517	11	BV000750	BV000750 S208P6476
c	9	19.6	72.6	553	11	BV098394	BV098394 RPAMMSEQ0
c	10	19.6	72.6	562	11	BV157483	BV157483 RPAMMSEQ0
c	11	19.6	72.6	660	8	BT012175	BT012175 Arabidops
	12	19.6	72.6	737	8	AY202394	AY202394 Arabidops
	13	19.2	71.1	509	6	CQ701318	CQ701318 Sequence
	14	19.2	71.1	999	9	AF279926	AF279926 Pongo pyg
	15	19	70.4	289	4	CHU74643	U74643 Capra hircu
	16	19	70.4	350	6	CQ736304	CQ736304 Sequence
	17	19	70.4	362	3	AF063880	AF063880 Drosophil
	18	19	70.4	377	3	AF063872	AF063872 Drosophil
	19	19	70.4	380	3	AF063879	AF063879 Drosophil
	20	19	70.4	393	3	AF063878	AF063878 Drosophil
	21	19	70.4	442	3	AF063881	AF063881 Drosophil
c	22	19	70.4	452	11	BX322529	BX322529 Arabidops
c	23	19	70.4	463	9	HSPPROT19	U19170 Human P pro
c	24	19	70.4	466	11	BX322506	BX322506 Arabidops
c	25	19	70.4	466	11	BX322507	BX322507 Arabidops
c	26	19	70.4	467	11	BX293614	BX293614 Arabidops
c	27	19	70.4	467	11	BX322523	BX322523 Arabidops
c	28	19	70.4	470	11	BX295067	BX295067 Arabidops
c	29	19	70.4	473	11	BX293617	BX293617 Arabidops
c	30	19	70.4	474	11	BX322512	BX322512 Arabidops
	31	19	70.4	495	6	CQ740351	CQ740351 Sequence
	32	19	70.4	506	9	AF201077	AF201077 Homo sapi
	33	19	70.4	520	9	AK024837	AK024837 Homo sapi
	34	19	70.4	523	1	AF277958	AF277958 Helicobac
	35	19	70.4	525	6	CQ707578	CQ707578 Sequence
	36	19	70.4	535	6	CQ776013	CQ776013 Sequence
	37	19	70.4	535	6	CQ790610	CQ790610 Sequence
	38	19	70.4	587	6	AR506752	AR506752 Sequence
	39	19	70.4	600	3	AF171856	AF171856 Drosophil
c	40	19	70.4	614	11	G82222	G82222 S209P6309FB
c	41	19	70.4	644	11	BV067882	BV067882 S212P6042
c	42	19	70.4	673	8	AF101018	AF101018 Picea abi
	43	19	70.4	696	9	AF282567	AF282567 Homo sapi
	44	19	70.4	703	6	CQ573747	CQ573747 Sequence
	45	19	70.4	734	3	AY118721	AY118721 Drosophil
c	46	19	70.4	832	11	BV063901	BV063901 S212P6018
c	47	19	70.4	924	8	LJRAB1Y	Z73936 L.japonicus
c	48	18.8	69.6	180	9	AF175837	AF175837 Eulemur m
c	49	18.8	69.6	180	9	AF175849	AF175849 Eulemur m
	50	18.8	69.6	290	9	MIEMCYTBP	Z34982 E.macaco Mi
	51	18.8	69.6	430	11	G56424	G56424 SHGC-101959
c	52	18.6	68.9	342	11	BV088794	BV088794 RPAMMSEQ0
c	53	18.6	68.9	392	6	CQ702689	CQ702689 Sequence
	54	18.6	68.9	576	8	AY462377	AY462377 Noterocla
	55	18.6	68.9	579	6	CQ742692	CQ742692 Sequence
	56	18.6	68.9	585	11	BV185445	BV185445 sqnm14814
c	57	18.6	68.9	657	11	G51924	G51924 SHGC-82105
c	58	18.4	68.1	161	9	AF175847	AF175847 Eulemur r
c	59	18.4	68.1	180	9	AF175831	AF175831 Eulemur c
c	60	18.4	68.1	180	9	AF175832	AF175832 Eulemur c
c	61	18.4	68.1	180	9	AF175833	AF175833 Eulemur f
c	62	18.4	68.1	180	9	AF175834	AF175834 Eulemur f
c	63	18.4	68.1	180	9	AF175835	AF175835 Eulemur m
c	64	18.4	68.1	180	9	AF175836	AF175836 Eulemur m
c	65	18.4	68.1	180	9	AF175857	AF175857 Eulemur f
c	66	18.4	68.1	180	9	AF175858	AF175858 Eulemur f
	67	18.4	68.1	290	9	MIECCYTBP	Z34981 E.coronatus
	68	18.4	68.1	357	9	CMA429633	AJ429633 Cheirogal
c	69	18.4	68.1	433	6	BD017033	BD017033 Detection
c	70	18.4	68.1	972	6	AX241905	AX241905 Sequence
c	71	18.2	67.4	178	8	ATH552526	AJ552526 Arabidops
c	72	18.2	67.4	201	11	BV173875	BV173875 sqnm66358
	73	18.2	67.4	376	5	AY167376	AY167376 Cordylosa
	74	18.2	67.4	402	10	AB017239	AB017239 Clethrion
	75	18.2	67.4	402	10	AB017240	AB017240 Clethrion
	76	18.2	67.4	402	10	AB017241	AB017241 Clethrion
	77	18.2	67.4	402	10	AB017242	AB017242 Clethrion
	78	18.2	67.4	402	10	AB017250	AB017250 Eothenomy
	79	18.2	67.4	402	10	AB017254	AB017254 Eothenomy
	80	18.2	67.4	424	10	CGL236834	AJ236834 Clethrion
c	81	18.2	67.4	567	6	CQ523840	CQ523840 Sequence
	82	18.2	67.4	601	10	AY185797	AY185797 Clethrion
	83	18.2	67.4	601	10	AY185799	AY185799 Clethrion
	84	18.2	67.4	633	10	AF348391	AF348391 Lemmus le
	85	18.2	67.4	633	10	AF348392	AF348392 Lemmus le
c	86	18.2	67.4	656	6	AX225989	AX225989 Sequence
c	87	18.2	67.4	656	6	AX225990	AX225990 Sequence
c	88	18.2	67.4	669	11	G50693	G50693 SHGC-83901
c	89	18.2	67.4	692	6	AX225976	AX225976 Sequence
	90	18.2	67.4	783	10	AY309433	AY309433 Clethrion
	91	18.2	67.4	797	10	AY332707	AY332707 Clethrion
	92	18.2	67.4	797	10	AY332708	AY332708 Arvicola

	93	18.2	67.4	797	10	AY332709 AY332709 Arvicola
	94	18.2	67.4	798	10	AY332706 AY332706 Clethrion
	95	18.2	67.4	842	5	AF231583 AF231583 Ablennes
c	96	18.2	67.4	847	11	BV055433 BV055433 S212P6813
	97	18.2	67.4	897	10	AY219145 AY219145 Lemmus le
	98	18.2	67.4	905	10	AY219164 AY219164 Lemmus tr
	99	18.2	67.4	908	10	AY219150 AY219150 Lemmus tr
	100	18.2	67.4	908	10	AY219151 AY219151 Lemmus tr
	101	18.2	67.4	910	10	LTR012676 AJ012676 Lemmus tr
	102	18.2	67.4	915	10	AY219146 AY219146 Lemmus tr
	103	18.2	67.4	915	10	AY219147 AY219147 Lemmus tr
	104	18.2	67.4	915	10	AY219148 AY219148 Lemmus tr
	105	18.2	67.4	915	10	AY219149 AY219149 Lemmus tr
	106	18.2	67.4	915	10	AY219152 AY219152 Lemmus tr
	107	18.2	67.4	915	10	AY219153 AY219153 Lemmus tr
	108	18.2	67.4	915	10	AY219154 AY219154 Lemmus tr
	109	18.2	67.4	915	10	AY219155 AY219155 Lemmus tr
	110	18.2	67.4	915	10	AY219156 AY219156 Lemmus tr
	111	18.2	67.4	915	10	AY219157 AY219157 Lemmus tr
	112	18.2	67.4	915	10	AY219158 AY219158 Lemmus tr
	113	18.2	67.4	915	10	AY219160 AY219160 Lemmus tr
	114	18.2	67.4	915	10	AY219161 AY219161 Lemmus tr
	115	18.2	67.4	915	10	AY219162 AY219162 Lemmus tr
	116	18.2	67.4	915	10	AY219163 AY219163 Lemmus tr
	117	18.2	67.4	915	10	AY219165 AY219165 Lemmus tr
	118	18.2	67.4	915	10	AY219166 AY219166 Lemmus tr
	119	18.2	67.4	915	10	AY219167 AY219167 Lemmus tr
	120	18.2	67.4	915	10	AY219168 AY219168 Lemmus tr
	121	18.2	67.4	915	10	AY219169 AY219169 Lemmus tr
	122	18.2	67.4	915	10	AY219170 AY219170 Lemmus tr
	123	18.2	67.4	915	10	AY219171 AY219171 Lemmus tr
	124	18.2	67.4	915	10	LTR012675 AJ012675 Lemmus tr
	125	18.2	67.4	1000	11	HS330O12S AL590690 H.sapiens
c	126	18	66.7	153	9	HSAP4H10 U14614 Human alpha
	127	18	66.7	231	11	G11931 G11931 human STS W
c	128	18	66.7	245	8	AJ608253 AJ608253 Salix alb
c	129	18	66.7	316	4	AY011790 AY011790 Pteropus
c	130	18	66.7	318	4	AY011791 AY011791 Rousettus
	131	18	66.7	333	6	CQ441859 CQ441859 Sequence
	132	18	66.7	365	11	BV047859 BV047859 S212P6104
	133	18	66.7	376	5	AY167381 AY167381 Angolosau
	134	18	66.7	377	5	AY167384 AY167384 Gerrhosau
c	135	18	66.7	433	6	BD017029 BD017029 Detection
	136	18	66.7	442	6	AX409807 AX409807 Sequence
c	137	18	66.7	451	6	AR308384 AR308384 Sequence
c	138	18	66.7	451	6	AX150873 AX150873 Sequence
c	139	18	66.7	451	11	G75701 G75701 99-20933 Pe
c	140	18	66.7	540	11	AU028154 AU028154 Rattus no
	141	18	66.7	555	3	AB091561 AB091561 Crassostr
c	142	18	66.7	578	11	G98083 G98083 S208P6484RH
c	143	18	66.7	651	5	AF137154 AF137154 Acanthuru
	144	18	66.7	663	11	BV015637 BV015637 S212P6188
c	145	18	66.7	664	11	BV049177 BV049177 S212P6571
	146	18	66.7	708	11	BV034518 BV034518 S212P6739
	147	18	66.7	735	11	BV075960 BV075960 S212P6009
	148	18	66.7	779	5	CR353295 CR353295 Gallus ga
c	149	18	66.7	787	11	BV071298 BV071298 S212P6028
	150	18	66.7	801	10	AF181282 AF181282 Delomys c
	151	18	66.7	861	6	BD018259 BD018259 Novel gen
	152	18	66.7	861	6	BD098197 BD098197 Novel gen
c	153	18	66.7	885	14	AF367055 AF367055 Puumala v
c	154	18	66.7	885	14	AF367056 AF367056 Puumala v
c	155	18	66.7	885	14	AF367057 AF367057 Puumala v
c	156	18	66.7	885	14	AF367058 AF367058 Puumala v
c	157	18	66.7	885	14	AF367059 AF367059 Puumala v
c	158	18	66.7	885	14	AF367060 AF367060 Puumala v
c	159	18	66.7	885	14	AF367062 AF367062 Puumala v
c	160	18	66.7	885	14	AF367063 AF367063 Puumala v
c	161	18	66.7	894	6	CQ597120 CQ597120 Sequence
c	162	17.8	65.9	255	11	CR376697 CR376697 Arabidops
	163	17.8	65.9	372	11	BV054819 BV054819 S212P6034
	164	17.8	65.9	387	5	AF186118 AF186118 Pachydact
	165	17.8	65.9	395	5	AY221268 AY221268 Pachydact
	166	17.8	65.9	475	6	AR421763 AR421763 Sequence
	167	17.8	65.9	475	6	AX982457 AX982457 Sequence
	168	17.8	65.9	475	6	BD117316 BD117316 EST and e
c	169	17.6	65.2	260	11	CR379043 CR379043 Arabidops
c	170	17.6	65.2	313	10	AJ585777 AJ585777 Tamiasciu
	171	17.6	65.2	324	5	AMCYTBD1 Z35650 A.monachus
c	172	17.6	65.2	352	6	CQ518413 CQ518413 Sequence
	173	17.6	65.2	376	6	CQ479197 CQ479197 Sequence
	174	17.6	65.2	412	4	GGE441337 AJ441337 Genetta g
	175	17.6	65.2	427	6	CQ500370 CQ500370 Sequence
	176	17.6	65.2	439	11	HUM4STS455 L00871 Human chrom
c	177	17.6	65.2	447	6	AR422429 AR422429 Sequence
c	178	17.6	65.2	447	6	AX983123 AX983123 Sequence
c	179	17.6	65.2	447	6	BD117982 BD117982 EST and e
	180	17.6	65.2	495	6	CQ523664 CQ523664 Sequence
c	181	17.6	65.2	522	5	MIAANDS6 X73915 A.alle mito
	182	17.6	65.2	578	11	G76610 G76610 S208P6598FD
c	183	17.6	65.2	614	11	BV014519 BV014519 S212P6032
c	184	17.6	65.2	654	11	G58702 G58702 SHGC-105492
c	185	17.6	65.2	663	6	BD144483 BD144483 Novel G-p
c	186	17.6	65.2	672	11	BV073870 BV073870 S212P6829
	187	17.6	65.2	675	5	AY217797 AY217797 Cordylosa
	188	17.6	65.2	732	8	AY202401 AY202401 Arabidops
	189	17.6	65.2	747	11	BV078767 BV078767 px-25d5 F
c	190	17.6	65.2	865	9	AF546434 AF546434 Homo sapi
c	191	17.6	65.2	865	9	AF546435 AF546435 Homo sapi
c	192	17.6	65.2	865	9	AF546436 AF546436 Homo sapi
c	193	17.6	65.2	865	9	AF546437 AF546437 Homo sapi
c	194	17.6	65.2	865	9	AF546438 AF546438 Homo sapi
c	195	17.6	65.2	865	9	AF546439 AF546439 Homo sapi
c	196	17.6	65.2	865	9	AF546440 AF546440 Homo sapi
c	197	17.6	65.2	865	9	AF546441 AF546441 Homo sapi
c	198	17.6	65.2	865	9	AF546442 AF546442 Homo sapi
c	199	17.6	65.2	865	9	AF546443 AF546443 Homo sapi
c	200	17.6	65.2	865	9	AF546444 AF546444 Homo sapi
c	201	17.6	65.2	865	9	AF546445 AF546445 Homo sapi
c	202	17.6	65.2	865	9	AF546446 AF546446 Homo sapi
c	203	17.6	65.2	865	9	AF546447 AF546447 Homo sapi
	204	17.6	65.2	878	6	BD017971 BD017971 Novel gen
	205	17.6	65.2	878	6	BD097909 BD097909 Novel gen
c	206	17.6	65.2	897	3	BSP514835 AJ514835 Baculogyp
c	207	17.6	65.2	944	9	AY283973 AY283973 Homo sapi
c	208	17.6	65.2	944	9	AY283974 AY283974 Homo sapi
c	209	17.6	65.2	944	9	AY283975 AY283975 Homo sapi
c	210	17.6	65.2	944	9	AY283976 AY283976 Homo sapi
c	211	17.6	65.2	944	9	AY283977 AY283977 Homo sapi
c	212	17.6	65.2	944	9	AY283978 AY283978 Homo sapi
c	213	17.6	65.2	944	9	AY283979 AY283979 Homo sapi
c	214	17.6	65.2	944	9	AY283980 AY283980 Homo sapi
c	215	17.6	65.2	944	9	AY283981 AY283981 Homo sapi
c	216	17.6	65.2	944	9	AY283982 AY283982 Homo sapi
c	217	17.6	65.2	944	9	AY283983 AY283983 Homo sapi
c	218	17.6	65.2	944	9	AY283984 AY283984 Homo sapi
c	219	17.6	65.2	944	9	AY283985 AY283985 Homo sapi
c	220	17.6	65.2	944	9	AY283986 AY283986 Homo sapi
c	221	17.6	65.2	944	9	AY283987 AY283987 Homo sapi
c	222	17.6	65.2	944	9	AY283988 AY283988 Homo sapi
c	223	17.6	65.2	944	9	AY283989 AY283989 Homo sapi
c	224	17.6	65.2	944	9	AY283990 AY283990 Homo sapi
c	225	17.6	65.2	944	9	AY283991 AY283991 Homo sapi
c	226	17.6	65.2	944	9	AY283992 AY283992 Homo sapi
c	227	17.6	65.2	944	9	AY283993 AY283993 Homo sapi
c	228	17.6	65.2	944	9	AY283994 AY283994 Homo sapi
c	229	17.6	65.2	944	9	AY283995 AY283995 Homo sapi
c	230	17.6	65.2	944	9	AY283996 AY283996 Homo sapi
c	231	17.6	65.2	944	9	AY283997 AY283997 Homo sapi
c	232	17.6	65.2	944	9	AY283998 AY283998 Homo sapi
c	233	17.6	65.2	944	9	AY283999 AY283999 Homo sapi
c	234	17.6	65.2	944	9	AY284000 AY284000 Homo sapi
c	235	17.6	65.2	944	9	AY284001 AY284001 Homo sapi
c	236	17.6	65.2	944	9	AY284002 AY284002 Homo sapi
c	237	17.6	65.2	944	9	AY284003 AY284003 Homo sapi
c	238	17.6	65.2	944	9	AY284004 AY284004 Homo sapi

c 239	17.6	65.2	945	6	AX242048	AX242048 Sequence
c 240	17.6	65.2	959	6	AX702245	AX702245 Sequence
241	17.6	65.2	981	14	IAU47310	U47310 Influenza A
c 242	17.4	64.4	83	11	AL823854	AL823854 Arabidops
c 243	17.4	64.4	94	11	AL935593	AL935593 Arabidops
244	17.4	64.4	143	9	HUMSPEC19	M61792 Human alpha
c 245	17.4	64.4	160	11	BX294561	BX294561 Arabidops
c 246	17.4	64.4	160	11	BX294567	BX294567 Arabidops
c 247	17.4	64.4	160	11	BX294597	BX294597 Arabidops
c 248	17.4	64.4	174	11	BX284223	BX284223 Arabidops
249	17.4	64.4	183	6	A75308	A75308 Sequence 99
250	17.4	64.4	183	6	A78287	A78287 Sequence 99
c 251	17.4	64.4	184	11	BX294569	BX294569 Arabidops
c 252	17.4	64.4	196	11	BX294580	BX294580 Arabidops
253	17.4	64.4	235	9	AY734055	AY734055 Macaca mu
c 254	17.4	64.4	237	11	BX294582	BX294582 Arabidops
c 255	17.4	64.4	238	11	BX284243	BX284243 Arabidops
c 256	17.4	64.4	239	11	BX284232	BX284232 Arabidops
c 257	17.4	64.4	241	11	BX284204	BX284204 Arabidops
c 258	17.4	64.4	243	11	BX284259	BX284259 Arabidops
259	17.4	64.4	243	11	BX296377	BX296377 Arabidops
260	17.4	64.4	249	6	AR558641	AR558641 Sequence
261	17.4	64.4	255	11	CR376676	CR376676 Arabidops
262	17.4	64.4	255	11	CR376678	CR376678 Arabidops
263	17.4	64.4	264	1	AB030919	AB030919 Lactococc
c 264	17.4	64.4	266	11	BX294611	BX294611 Arabidops
c 265	17.4	64.4	267	11	BX284250	BX284250 Arabidops
c 266	17.4	64.4	270	11	BX294035	BX294035 Arabidops
c 267	17.4	64.4	271	10	AF531029S1	AF531029 Rattus no
c 268	17.4	64.4	271	11	AL935640	AL935640 Arabidops
c 269	17.4	64.4	271	11	BX284210	BX284210 Arabidops
c 270	17.4	64.4	277	11	BX293936	BX293936 Arabidops
271	17.4	64.4	278	5	AY148037	AY148037 Tyto tene
272	17.4	64.4	278	5	AY148038	AY148038 Tyto tene
c 273	17.4	64.4	279	11	BX294036	BX294036 Arabidops
c 274	17.4	64.4	281	11	BX293951	BX293951 Arabidops
275	17.4	64.4	290	3	AY654011	AY654011 Penaeus m
276	17.4	64.4	290	11	BX296384	BX296384 Arabidops
277	17.4	64.4	295	11	BX296432	BX296432 Arabidops
278	17.4	64.4	300	5	AY148039	AY148039 Tyto mult
c 279	17.4	64.4	305	11	BX294053	BX294053 Arabidops
280	17.4	64.4	306	8	CNS01C1C	AL114952 Botrytis
c 281	17.4	64.4	308	11	AL935629	AL935629 Arabidops
c 282	17.4	64.4	309	11	BX284258	BX284258 Arabidops
c 283	17.4	64.4	309	11	BX664143	BX664143 Arabidops
c 284	17.4	64.4	311	11	AL935592	AL935592 Arabidops
c 285	17.4	64.4	311	11	AL935623	AL935623 Arabidops
c 286	17.4	64.4	311	11	AL935659	AL935659 Arabidops
c 287	17.4	64.4	311	11	AL935660	AL935660 Arabidops
c 288	17.4	64.4	311	11	BX663591	BX663591 Arabidops
c 289	17.4	64.4	312	11	AL935639	AL935639 Arabidops
c 290	17.4	64.4	312	11	BX294545	BX294545 Arabidops
c 291	17.4	64.4	314	11	BX294071	BX294071 Arabidops
c 292	17.4	64.4	315	11	BX294524	BX294524 Arabidops
c 293	17.4	64.4	318	11	AL935610	AL935610 Arabidops
c 294	17.4	64.4	318	11	AL935612	AL935612 Arabidops
c 295	17.4	64.4	319	11	AL935591	AL935591 Arabidops
c 296	17.4	64.4	319	11	AL935658	AL935658 Arabidops
c 297	17.4	64.4	319	11	BX284252	BX284252 Arabidops
c 298	17.4	64.4	319	11	BX294615	BX294615 Arabidops
c 299	17.4	64.4	320	11	BX284225	BX284225 Arabidops
c 300	17.4	64.4	321	11	AL935618	AL935618 Arabidops
c 301	17.4	64.4	322	11	BX536886	BX536886 Arabidops
c 302	17.4	64.4	323	11	BX294038	BX294038 Arabidops
c 303	17.4	64.4	324	11	AL935589	AL935589 Arabidops
c 304	17.4	64.4	324	11	AL935602	AL935602 Arabidops
c 305	17.4	64.4	324	11	BX248315	BX248315 Arabidops
c 306	17.4	64.4	324	11	BX294058	BX294058 Arabidops
c 307	17.4	64.4	325	11	AL935648	AL935648 Arabidops
c 308	17.4	64.4	325	11	BX284245	BX284245 Arabidops
c 309	17.4	64.4	325	11	BX294063	BX294063 Arabidops
c 310	17.4	64.4	326	11	AL935628	AL935628 Arabidops
c 311	17.4	64.4	327	11	AL935621	AL935621 Arabidops
c 312	17.4	64.4	327	11	AL935651	AL935651 Arabidops
c 313	17.4	64.4	328	11	AL935649	AL935649 Arabidops
c 314	17.4	64.4	328	11	BX284242	BX284242 Arabidops
c 315	17.4	64.4	328	11	BX536876	BX536876 Arabidops
c 316	17.4	64.4	330	11	AL935600	AL935600 Arabidops
c 317	17.4	64.4	330	11	BX536867	BX536867 Arabidops
c 318	17.4	64.4	331	11	BX294044	BX294044 Arabidops
c 319	17.4	64.4	332	11	AL935656	AL935656 Arabidops
c 320	17.4	64.4	335	6	AX072414	AX072414 Sequence
c 321	17.4	64.4	336	11	BX536843	BX536843 Arabidops
c 322	17.4	64.4	336	11	HSA126XA9	Z52175 H.sapiens (
c 323	17.4	64.4	348	8	AY199555	AY199555 Arabidops
324	17.4	64.4	353	11	HS291WG9	Z66962 H.sapiens D
325	17.4	64.4	356	11	G24348	G24348 human STS W
326	17.4	64.4	362	6	AR524522	AR524522 Sequence
327	17.4	64.4	373	11	BX295144	BX295144 Arabidops
328	17.4	64.4	376	3	AF063871	AF063871 Drosophil
c 329	17.4	64.4	391	11	AL831349	AL831349 Arabidops
330	17.4	64.4	392	6	CQ725704	CQ725704 Sequence
c 331	17.4	64.4	399	8	AY211459	AY211459 Betula oc
332	17.4	64.4	400	1	AB030918	AB030918 Lactococc
333	17.4	64.4	413	3	AF063882	AF063882 Drosophil
c 334	17.4	64.4	422	6	AX340974	AX340974 Sequence
c 335	17.4	64.4	428	8	ATH526940	AJ526940 Arabidops
336	17.4	64.4	448	1	VIBSTOHSE	M97591 Vibrio chol
c 337	17.4	64.4	449	8	HSU31029	U31029 Hordeum spo
338	17.4	64.4	451	5	BC041535	BC041535 Xenopus l
339	17.4	64.4	460	6	AX440260	AX440260 Sequence
c 340	17.4	64.4	464	6	AX393819	AX393819 Sequence
c 341	17.4	64.4	466	11	BX295216	BX295216 Arabidops
c 342	17.4	64.4	466	11	BX322501	BX322501 Arabidops
c 343	17.4	64.4	474	6	AX360329	AX360329 Sequence
344	17.4	64.4	476	6	CQ740412	CQ740412 Sequence
c 345	17.4	64.4	477	11	G80449	G80449 S208P6523RA
c 346	17.4	64.4	497	6	CQ706444	CQ706444 Sequence
347	17.4	64.4	498	6	AX261139	AX261139 Sequence
348	17.4	64.4	510	6	AR052520	AR052520 Sequence
349	17.4	64.4	510	6	AR096093	AR096093 Sequence
350	17.4	64.4	510	6	BD137529	BD137529 Human gen
351	17.4	64.4	510	6	CQ840928	CQ840928 Sequence
352	17.4	64.4	510	6	E14366	E14366 Human mRNA
353	17.4	64.4	510	6	AR317301	AR317301 Sequence
354	17.4	64.4	510	6	AR367822	AR367822 Sequence
355	17.4	64.4	513	9	BT007416	BT007416 Homo sapi
356	17.4	64.4	513	12	BT008255	BT008255 Synthetic
357	17.4	64.4	539	8	AJ619774	AJ619774 Avena str
358	17.4	64.4	539	8	AST437569	AJ437569 Avena str
c 359	17.4	64.4	548	11	G08297	G08297 human STS C
c 360	17.4	64.4	548	11	G27195	G27195 human STS S
c 361	17.4	64.4	553	11	G82526	G82526 S210P6165RF
362	17.4	64.4	569	6	CQ519961	CQ519961 Sequence
363	17.4	64.4	570	9	BC003515	BC003515 Homo sapi
364	17.4	64.4	575	6	CQ832506	CQ832506 Sequence
c 365	17.4	64.4	577	6	AX360605	AX360605 Sequence
366	17.4	64.4	583	5	BX934309	BX934309 Gallus ga
c 367	17.4	64.4	586	11	G92513	G92513 S208P6120RE
368	17.4	64.4	587	11	G95840	G95840 S208P6004RA
369	17.4	64.4	588	11	BV055550	BV055550 S212P6025
c 370	17.4	64.4	611	11	BV092627	BV092627 RPAMMSEQ0
c 371	17.4	64.4	611	11	BV163047	BV163047 RPAMMSEQ0
372	17.4	64.4	617	6	AR052521	AR052521 Sequence
373	17.4	64.4	617	6	AR096094	AR096094 Sequence
374	17.4	64.4	617	6	BD137530	BD137530 Human gen
c 375	17.4	64.4	617	6	BD229681	BD229681 Human gen
376	17.4	64.4	617	6	CQ840929	CQ840929 Sequence
377	17.4	64.4	617	6	E14367	E14367 Human mRNA
378	17.4	64.4	617	6	AR317302	AR317302 Sequence
379	17.4	64.4	617	6	AR367823	AR367823 Sequence
380	17.4	64.4	617	9	D78514	D78514 Homo sapien
c 381	17.4	64.4	626	6	CQ516951	CQ516951 Sequence
382	17.4	64.4	629	6	BD191102	BD191102 186 human
383	17.4	64.4	629	6	AX924612	AX924612 Sequence
c 384	17.4	64.4	634	6	BD229664	BD229664 Human gen

	385	17.4	64.4	639	6	A98600
	386	17.4	64.4	639	6	E38148
	387	17.4	64.4	639	6	AR437141
	388	17.4	64.4	645	8	AJ839385
	389	17.4	64.4	648	6	AR508533
c	390	17.4	64.4	650	11	BV031762
	391	17.4	64.4	656	9	AY461451
c	392	17.4	64.4	656	11	AL772964
c	393	17.4	64.4	659	10	RATKALP10
	394	17.4	64.4	659	11	BV054945
	395	17.4	64.4	696	6	BD195387
	396	17.4	64.4	699	6	AR547673
c	397	17.4	64.4	706	5	CR354107
c	398	17.4	64.4	720	8	CNS01B2A
c	399	17.4	64.4	727	6	AR506032
	400	17.4	64.4	735	11	G62319
	401	17.4	64.4	739	6	BD020728
	402	17.4	64.4	739	6	BD100666
	403	17.4	64.4	744	5	AY364356
c	404	17.4	64.4	754	6	CQ487144
c	405	17.4	64.4	759	11	CFA411369
c	406	17.4	64.4	772	1	AF462019
	407	17.4	64.4	774	11	BV071512
	408	17.4	64.4	785	11	BV034348
c	409	17.4	64.4	792	9	HSA324105
c	410	17.4	64.4	793	5	CR385159
	411	17.4	64.4	800	8	RICMT06
c	412	17.4	64.4	803	11	BV070143
c	413	17.4	64.4	811	6	BD146084
c	414	17.4	64.4	811	6	AX866022
c	415	17.4	64.4	812	8	AY085431
	416	17.4	64.4	816	11	BV074580
	417	17.4	64.4	840	3	DME426923
c	418	17.4	64.4	858	5	CR386300
	419	17.4	64.4	864	8	GLU21243
	420	17.4	64.4	904	8	AJ839381
	421	17.4	64.4	905	10	BC038069
c	422	17.4	64.4	907	9	HSA329997
	423	17.4	64.4	913	8	AY062426
c	424	17.4	64.4	947	8	AY085325
	425	17.4	64.4	960	4	BTODFPB
	426	17.4	64.4	981	1	VIBSTOX
c	427	17.4	64.4	981	8	AY072391
	428	17.4	64.4	997	3	AY094688
	429	17.2	63.7	218	5	AF045751
	430	17.2	63.7	285	5	SFU06168
	431	17.2	63.7	285	5	SLU06163
	432	17.2	63.7	285	5	SLU06171
	433	17.2	63.7	285	5	SLU06173
	434	17.2	63.7	285	5	SLU06174
	435	17.2	63.7	285	5	SSU06176
	436	17.2	63.7	285	5	SUU06161
	437	17.2	63.7	285	5	SUU06175
	438	17.2	63.7	292	11	G54783
	439	17.2	63.7	300	5	OLAJ3897
	440	17.2	63.7	300	5	OLAJ3898
	441	17.2	63.7	304	5	AF072625
	442	17.2	63.7	304	5	AF072632
	443	17.2	63.7	319	5	SUU35080
	444	17.2	63.7	333	5	AHU83150
	445	17.2	63.7	335	5	AHU83149
	446	17.2	63.7	351	5	AF375962
c	447	17.2	63.7	358	5	AY509650
	448	17.2	63.7	366	5	AY167377
	449	17.2	63.7	377	5	AY167378
	450	17.2	63.7	377	5	AY167382
	451	17.2	63.7	394	5	AF115862
	452	17.2	63.7	432	5	AF204993
	453	17.2	63.7	432	5	AF204996
	454	17.2	63.7	503	6	CQ725453
	455	17.2	63.7	508	3	AY485260
	456	17.2	63.7	523	3	AY512572
	457	17.2	63.7	537	3	AY496643

A98600 Sequence 25
E38148 Method for
AR437141 Sequence
AJ839385 Arabidops
AR508533 Sequence
BV031762 S212P6249
AY461451 Homo sapi
AL772964 Arabidops
M62352 Rat plasma
BV054945 S212P6313
BD195387 Compositi
AR547673 Sequence
CR354107 Gallus ga
AL113690 Botrytis
AR506032 Sequence
G62319 B114109/SP6
BD020728 Novel gen
BD100666 Novel gen
AY364356 Heleophry
CQ487144 Sequence
AJ411369 Canis fam
AF462019 Vibrio ch
BV071512 S212P6397
BV034348 S212P6911
AJ324105 Homo sapi
CR385159 Gallus ga
D13102 Oryza sativ
BV070143 S212P6757
BD146084 Primer fo
AX866022 Sequence
AY085431 Arabidops
BV074580 S212P6023
AJ426923 Drosophil
CR386300 Gallus ga
U21243 Gracilariop
AJ839381 Arabidops
BC038069 Mus muscu
AJ329997 Homo sapi
AY062426 Arabidops
AY085325 Arabidops
X69514 B.taurus OD
L03220 Vibrio chol
AY072391 Arabidops
AY094688 Drosophil
AF045751 Lepidocol
U06168 Scytalopus
U06163 Scytalopus
U06171 Scytalopus
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U06176 Scytalopus
U06161 Scytalopus
U06175 Scytalopus
G54783 G-69802 Ran
AJ003897 Otus leuc
AJ003898 Otus leuc
AF072625 Clamator
AF072632 Phaenicop
U35080 Scytalopus
U83150 Ardea herod
U83149 Ardea herod
AF375962 Ardea cin
AY509650 Ardea her
AY167377 Gerrhosau
AY167378 Gerrhosau
AY167382 Gerrhosau
AF115862 Otus flam
AF204993 Coccyzus
AF204996 Piaya min
CQ725453 Sequence
AY485260 Argopecte
AY512572 Argopecte
AY496643 Argopecte

	458	17.2	63.7	545	8	AF442702
c	459	17.2	63.7	546	6	AX899840
c	460	17.2	63.7	546	6	BD035373
c	461	17.2	63.7	547	11	G83991
c	462	17.2	63.7	560	6	CQ526441
	463	17.2	63.7	579	11	HSJ97F7
	464	17.2	63.7	584	6	BD147699
	465	17.2	63.7	584	6	AX867637
	466	17.2	63.7	589	6	CQ522917
	467	17.2	63.7	601	6	CQ527225
	468	17.2	63.7	626	4	AF440378
	469	17.2	63.7	626	11	BV079442
	470	17.2	63.7	626	11	G98459
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	472	17.2	63.7	647	8	AF265357
	473	17.2	63.7	757	5	CR386480
	474	17.2	63.7	837	8	AF237540
	475	17.2	63.7	865	6	BD021771
	476	17.2	63.7	865	6	BD083741
	477	17.2	63.7	865	6	BD097388
	478	17.2	63.7	865	6	BD101709
	479	17.2	63.7	961	5	CEU09266
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	490	17.2	63.7	978	5	AY046910
	491	17.2	63.7	979	5	AY089829
	492	17.2	63.7	999	5	AY065711
	493	17.2	63.7	999	5	AY065716
	494	17.2	63.7	999	5	AY443001
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c	502	17	63.0	261	11	CR376891
c	503	17	63.0	268	9	HS28E3R
c	504	17	63.0	299	11	AF049053
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	506	17	63.0	307	4	AF298855
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	509	17	63.0	341	6	CQ473664
	510	17	63.0	346	6	AX908403
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	512	17	63.0	377	5	AY167387
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	515	17	63.0	401	5	AF256834
c	516	17	63.0	404	11	CR381495
c	517	17	63.0	470	11	HSC03G10
c	518	17	63.0	477	6	CQ506692
c	519	17	63.0	522	5	CR761925
c	520	17	63.0	557	3	AF121151
	521	17	63.0	574	6	AR226910
c	522	17	63.0	579	6	AR317611
	523	17	63.0	581	6	CQ518741
c	524	17	63.0	585	5	CR390596
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c	526	17	63.0	642	11	BV018718
	527	17	63.0	660	8	CNS01CD7
	528	17	63.0	660	8	CNS01DJK
c	529	17	63.0	672	6	AR396883
c	530	17	63.0	673	11	BV056204

AF442702 Salix bur
AX899840 Sequence
BD035373 Sequence
G83991 S208P6624FD
CQ526441 Sequence
AL159684 STS from
BD147699 Primer fo
AX867637 Sequence
CQ522917 Sequence
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BV079442 Fabian_We
G98459 S209P6275FA
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AF265357 Helicophy
CR386480 Gallus ga
AF237540 Avena sat
BD021771 Novel gen
BD083741 Nucleic a
BD097388 Nucleic a
BD101709 Novel gen
U09266 Coccyzus er
AY089831 Xiphorhyn
AF249268 Coccyzus
AF249269 Coccyzus
AF249270 Coccyzus
AF249271 Coccyzus
AY046905 Coccyzus
AY046906 Coccyzus
AY046907 Coccyzus
AY046908 Coccyzus
AY046909 Coccyzus
AY046910 Coccyzus
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AY065711 Drymornis
AY065716 Scytalopu
AY443001 Dendrexet
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BV206378 sqnm22083
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AX909425 Sequence
BD044958 Sequence
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Z58068 H.sapiens C
AF049053 Mus muscu
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AX914606 Sequence
BD050139 Sequence
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CQ506692 Sequence
CR761925 Xenopus t
AF121151 Bactrocer
AR226910 Sequence
AR317611 Sequence
CQ518741 Sequence
CR390596 Gallus ga
AY459579 Drosophil
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AL116904 Botrytis
AR396883 Sequence
BV056204 S212P6820

c 531	17	63.0	689	8	AJ634123	AJ634123 Lychnis f
c 532	17	63.0	701	8	AJ634124	AJ634124 Lychnis f
c 533	17	63.0	703	11	BV030438	BV030438 S212P6030
534	17	63.0	732	6	CQ779868	CQ779868 Sequence
535	17	63.0	732	6	CQ781438	CQ781438 Sequence
536	17	63.0	732	6	BD124577	BD124577 Primer fo
537	17	63.0	732	6	BD126147	BD126147 Primer fo
538	17	63.0	735	11	BV077464	BV077464 S212P6898
539	17	63.0	745	5	CR386504	CR386504 Gallus ga
540	17	63.0	747	6	BD149984	BD149984 Primer fo
541	17	63.0	747	6	AX869922	AX869922 Sequence
c 542	17	63.0	769	8	AK108396	AK108396 Oryza sat
c 543	17	63.0	835	6	A85718	A85718 Sequence 37
c 544	17	63.0	835	6	AR155211	AR155211 Sequence
c 545	17	63.0	835	6	E65736	E65736 Genome DNA
546	17	63.0	848	4	AF132525	AF132525 Elephas m
547	17	63.0	853	4	AF132523	AF132523 Elephas m
548	17	63.0	858	8	AK062862	AK062862 Oryza sat
549	17	63.0	885	6	CQ769297	CQ769297 Sequence
c 550	17	63.0	905	9	HUMATP1G06	L42560 Homo sapien
551	17	63.0	906	6	CQ750285	CQ750285 Sequence
552	17	63.0	942	10	AY065500	AY065500 Mus muscu
c 553	16.8	62.2	180	9	AF175841	AF175841 Eulemur f
c 554	16.8	62.2	180	9	AF175842	AF175842 Eulemur f
c 555	16.8	62.2	180	9	AF175845	AF175845 Eulemur f
c 556	16.8	62.2	180	9	AF175846	AF175846 Eulemur f
c 557	16.8	62.2	180	9	AF175848	AF175848 Eulemur r
c 558	16.8	62.2	180	9	AF175854	AF175854 Eulemur f
c 559	16.8	62.2	180	9	AF175855	AF175855 Eulemur f
c 560	16.8	62.2	180	9	AF175856	AF175856 Eulemur f
561	16.8	62.2	231	5	AF045753	AF045753 Sittasomu
562	16.8	62.2	233	5	AF053777	AF053777 Cranioleu
563	16.8	62.2	236	5	AF053773	AF053773 Cranioleu
564	16.8	62.2	236	5	AF053774	AF053774 Cranioleu
565	16.8	62.2	236	5	AF053775	AF053775 Cranioleu
566	16.8	62.2	236	5	AF053776	AF053776 Cranioleu
567	16.8	62.2	236	5	AF053778	AF053778 Cranioleu
568	16.8	62.2	236	5	AF053779	AF053779 Cranioleu
569	16.8	62.2	236	5	AF053780	AF053780 Cranioleu
570	16.8	62.2	236	5	AF053781	AF053781 Cranioleu
571	16.8	62.2	236	5	AF053782	AF053782 Cranioleu
572	16.8	62.2	236	5	AF053783	AF053783 Cranioleu
573	16.8	62.2	236	5	AF053784	AF053784 Cranioleu
574	16.8	62.2	236	5	AF053785	AF053785 Cranioleu
575	16.8	62.2	236	5	AF053786	AF053786 Cranioleu
576	16.8	62.2	236	5	AF053788	AF053788 Asthenes
577	16.8	62.2	265	10	MMU294763	AJ294763 Mus muscu
578	16.8	62.2	285	5	SMU06162	U06162 Scytalopus
579	16.8	62.2	285	5	SMU06164	U06164 Scytalopus
580	16.8	62.2	285	5	SMU06165	U06165 Scytalopus
581	16.8	62.2	285	5	SVU06172	U06172 Scytalopus
582	16.8	62.2	290	9	MIEFCYTBP	Z34983 E.fulvus Mi
583	16.8	62.2	290	9	MIEMCYTBX	Z35096 E.mongoz Mi
584	16.8	62.2	290	9	MIERCYTBP	Z35097 E.rubrivent
585	16.8	62.2	317	5	SMU35090	U35090 Scytalopus
586	16.8	62.2	317	5	SSU35089	U35089 Scytalopus
587	16.8	62.2	317	5	SSU35091	U35091 Scytalopus
588	16.8	62.2	317	5	SUU35088	U35088 Scytalopus
589	16.8	62.2	317	5	SUU35092	U35092 Scytalopus
590	16.8	62.2	317	5	SUU35093	U35093 Scytalopus
591	16.8	62.2	317	5	SUU35094	U35094 Scytalopus
c 592	16.8	62.2	320	8	AF377908	AF377908 Sclerotin
593	16.8	62.2	326	10	RNRETPRO2	U22513 Rattus norv
594	16.8	62.2	357	9	EMA428981	AJ428981 Eulemur m
595	16.8	62.2	376	5	AY167379	AY167379 Gerrhosau
596	16.8	62.2	377	5	AY167380	AY167380 Gerrhosau
597	16.8	62.2	422	5	AF371244	AF371244 Cylindras
598	16.8	62.2	426	5	AF371243	AF371243 Cylindras
599	16.8	62.2	426	5	AF371245	AF371245 Cylindras
600	16.8	62.2	426	5	AF371246	AF371246 Cylindras
601	16.8	62.2	426	5	AF371247	AF371247 Cylindras
602	16.8	62.2	426	5	AF371250	AF371250 Cylindras
603	16.8	62.2	426	5	AF371251	AF371251 Cylindras
604	16.8	62.2	465	6	AR427558	AR427558 Sequence
605	16.8	62.2	465	6	AX988252	AX988252 Sequence
606	16.8	62.2	465	6	BD123111	BD123111 EST and e
607	16.8	62.2	543	11	G61011	G61011 SHGC-84136
c 608	16.8	62.2	582	11	BV022363	BV022363 S212P6867
609	16.8	62.2	622	5	AF001326	AF001326 Agapornis
610	16.8	62.2	622	5	AF001330	AF001330 Agapornis
611	16.8	62.2	656	5	EPMCB	X95780 E.papuensis
c 612	16.8	62.2	707	11	BV030321	BV030321 S212P6025
613	16.8	62.2	758	4	AY241880	AY241880 Genetta t
614	16.8	62.2	789	11	BV044942	BV044942 S212P6874
615	16.8	62.2	858	4	AY241886	AY241886 Genetta g
616	16.8	62.2	912	4	AY241879	AY241879 Genetta g
617	16.8	62.2	912	4	AY241882	AY241882 Genetta a
618	16.8	62.2	912	4	AY241883	AY241883 Genetta a
619	16.8	62.2	912	4	AY241884	AY241884 Genetta t
620	16.8	62.2	912	4	AY241887	AY241887 Genetta c
621	16.8	62.2	912	4	AY241888	AY241888 Genetta c
622	16.8	62.2	924	5	MISMCB33	X60945 Scytalopus
623	16.8	62.2	924	5	MITDCB33	X60946 T. dorbigny
624	16.8	62.2	946	5	VNU83299	U83299 Veniliornis
625	16.8	62.2	969	5	AY089796	AY089796 Sittasomu
626	16.8	62.2	989	4	AF511050	AF511050 Osbornict
627	16.8	62.2	999	5	AY065702	AY065702 Philydor
628	16.8	62.2	999	5	AY065704	AY065704 Pygarrhic
629	16.8	62.2	999	5	AY065708	AY065708 Cranioleu
630	16.8	62.2	999	5	AY065710	AY065710 Coryphist
631	16.8	62.2	999	5	AY065713	AY065713 Dendrocin
632	16.8	62.2	999	5	AY065714	AY065714 Sittasomu
633	16.8	62.2	999	5	AY065718	AY065718 Chamaeza
634	16.8	62.2	999	5	AY078174	AY078174 Rhinocryp
635	16.8	62.2	999	5	AY442985	AY442985 Dendrocin
636	16.8	62.2	999	5	AY442989	AY442989 Deconychu
637	16.8	62.2	999	5	AY442990	AY442990 Dendrocol
638	16.8	62.2	999	5	AY442992	AY442992 Glyphoryn
639	16.8	62.2	999	5	AY442995	AY442995 Nasica lo
640	16.8	62.2	999	5	AY676949	AY676949 Herpsiloc
641	16.8	62.2	1000	4	AY241897	AY241897 Genetta p
642	16.8	62.2	1000	4	AY241898	AY241898 Genetta b
643	16.8	62.2	1000	4	AY241899	AY241899 Genetta s
644	16.8	62.2	1000	4	AY241900	AY241900 Genetta s
645	16.8	62.2	1000	5	AF389322	AF389322 Picoides
c 646	16.6	61.5	28	6	AR309113	AR309113 Sequence
c 647	16.6	61.5	28	6	AX138612	AX138612 Sequence
c 648	16.6	61.5	48	6	CQ774312	CQ774312 Sequence
c 649	16.6	61.5	48	6	CQ792439	CQ792439 Sequence
c 650	16.6	61.5	60	14	POLDIPA	M30211 Poliovirus
c 651	16.6	61.5	60	14	POLDIPB	M30212 Poliovirus
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653	16.6	61.5	81	6	CQ150602	CQ150602 Sequence
654	16.6	61.5	81	6	CQ233924	CQ233924 Sequence
655	16.6	61.5	81	6	CQ271721	CQ271721 Sequence
656	16.6	61.5	81	6	CQ309249	CQ309249 Sequence
657	16.6	61.5	81	6	CQ345919	CQ345919 Sequence
658	16.6	61.5	134	11	G19899	G19899 human STS A
c 659	16.6	61.5	173	10	AY155468	AY155468 Mus muscu
660	16.6	61.5	176	6	CQ861672	CQ861672 Sequence
c 661	16.6	61.5	195	6	AR555315	AR555315 Sequence
662	16.6	61.5	197	5	AB001069	AB001069 Brown tro
663	16.6	61.5	199	3	AF241642	AF241642 Planococc
664	16.6	61.5	201	11	BV171588	BV171588 sqnm44239
665	16.6	61.5	210	9	AF179873	AF179873 Homo sapi
666	16.6	61.5	264	5	AY636158	AY636158 Dicentrar
c 667	16.6	61.5	266	3	AY578830	AY578830 Drosophil
668	16.6	61.5	267	6	CQ688049	CQ688049 Sequence
669	16.6	61.5	291	6	CQ473250	CQ473250 Sequence
670	16.6	61.5	303	6	CQ748465	CQ748465 Sequence
c 671	16.6	61.5	321	4	AF004902	AF004902 Tursiops
672	16.6	61.5	339	6	AX892887	AX892887 Sequence
673	16.6	61.5	339	6	BD028420	BD028420 Sequence
674	16.6	61.5	345	6	CQ607599	CQ607599 Sequence
c 675	16.6	61.5	345	6	AX905700	AX905700 Sequence
c 676	16.6	61.5	345	6	BD041233	BD041233 Sequence

c	677	16.6	61.5	358	10	AY509634
	678	16.6	61.5	370	9	F275131S03
c	679	16.6	61.5	383	6	AR422850
c	680	16.6	61.5	383	6	AX983544
c	681	16.6	61.5	383	6	BD118403
	682	16.6	61.5	390	9	F275131S05
	683	16.6	61.5	398	11	G23285
	684	16.6	61.5	400	10	AF190257
	685	16.6	61.5	400	10	AF190258
	686	16.6	61.5	400	10	AF190259
	687	16.6	61.5	400	10	AF190260
	688	16.6	61.5	400	10	AF190261
	689	16.6	61.5	400	10	AF190262
	690	16.6	61.5	400	10	AF190263
	691	16.6	61.5	400	10	AF190264
	692	16.6	61.5	400	10	AF190265
	693	16.6	61.5	400	10	AF190266
	694	16.6	61.5	400	10	AF190267
	695	16.6	61.5	400	10	AF190268
c	696	16.6	61.5	400	11	G16401
c	697	16.6	61.5	401	6	AX269575
c	698	16.6	61.5	401	6	AX271106
	699	16.6	61.5	402	10	AB017232
	700	16.6	61.5	402	10	AB017233
	701	16.6	61.5	402	10	AB017234
	702	16.6	61.5	402	10	AB017235
	703	16.6	61.5	402	10	AB017236
	704	16.6	61.5	402	10	AB017237
	705	16.6	61.5	402	10	AB017238
	706	16.6	61.5	402	10	AB017243
	707	16.6	61.5	402	10	AB017244
	708	16.6	61.5	402	10	AB017245
	709	16.6	61.5	402	10	AB017246
	710	16.6	61.5	402	10	AB017247
	711	16.6	61.5	402	10	AB017248
	712	16.6	61.5	402	10	AB017249
	713	16.6	61.5	402	10	AB017251
	714	16.6	61.5	402	10	AB017252
c	715	16.6	61.5	408	11	G75581
c	716	16.6	61.5	416	11	G70530
	717	16.6	61.5	426	10	AF017657
	718	16.6	61.5	426	10	AF017755
	719	16.6	61.5	426	10	AF063893
	720	16.6	61.5	426	10	AF063894
	721	16.6	61.5	426	10	AF063895
c	722	16.6	61.5	457	11	G71347
	723	16.6	61.5	458	6	AX360696
	724	16.6	61.5	460	6	CQ098730
	725	16.6	61.5	460	6	CQ137643
	726	16.6	61.5	460	6	CQ220996
	727	16.6	61.5	460	6	CQ259198
	728	16.6	61.5	460	6	CQ296811
	729	16.6	61.5	460	6	CQ333237
	730	16.6	61.5	469	6	BD191706
	731	16.6	61.5	469	6	AR228451
c	732	16.6	61.5	479	8	CSA489271
c	733	16.6	61.5	486	11	G72888
	734	16.6	61.5	516	11	CNS06EH6
	735	16.6	61.5	523	1	AF277948
	736	16.6	61.5	523	1	AF277968
c	737	16.6	61.5	531	4	AB040441
c	738	16.6	61.5	531	6	CQ774307
c	739	16.6	61.5	531	6	CQ774316
c	740	16.6	61.5	531	6	CQ792434
c	741	16.6	61.5	531	6	CQ792443
c	742	16.6	61.5	534	6	I07105
c	743	16.6	61.5	534	6	I09314
c	744	16.6	61.5	534	9	AF401221
c	745	16.6	61.5	534	9	AF541946
	746	16.6	61.5	536	6	CQ393725
	747	16.6	61.5	536	6	CQ400097
	748	16.6	61.5	552	6	AR397245
	749	16.6	61.5	555	6	BD191705

AY509634 Clethrion
AF275133 Homo sapi
AR422850 Sequence
AX983544 Sequence
BD118403 EST and e
AF275135 Homo sapi
G23285 human STS W
AF190257 Microtus
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AF190259 Microtus
AF190260 Microtus
AF190261 Microtus
AF190262 Microtus
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AF190268 Microtus
G16401 human STS S
AX269575 Sequence
AX271106 Sequence
AB017232 Clethrion
AB017233 Clethrion
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G70530 682780831FB
AF017657 Pitymys s
AF017755 Microtus
AF063893 Microtus
AF063894 Microtus
AF063895 Microtus
G71347 682780831FM
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CQ098730 Sequence
CQ137643 Sequence
CQ220996 Sequence
CQ259198 Sequence
CQ296811 Sequence
CQ333237 Sequence
BD191706 Enterococ
AR228451 Sequence
AJ489271 Crocus sa
G72888 MARC 3114-3
AL395104 T3 end of
AF277948 Helicobac
AF277968 Helicobac
AB040441 Sus scrof
CQ774307 Sequence
CQ774316 Sequence
CQ792434 Sequence
CQ792443 Sequence
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I09314 Sequence 5
AF401221 Macaca mu
AF541946 Papio cyn
CQ393725 Sequence
CQ400097 Sequence
AR397245 Sequence
BD191705 Enterococ

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	751	16.6	61.5	555	14	SIVENVAJ
	752	16.6	61.5	565	11	TBR512358
	753	16.6	61.5	569	6	CQ104053
	754	16.6	61.5	569	6	CQ142815
	755	16.6	61.5	569	6	CQ226046
	756	16.6	61.5	569	6	CQ264125
	757	16.6	61.5	569	6	CQ301215
	758	16.6	61.5	569	6	CQ338462
c	759	16.6	61.5	575	6	AX401092
	760	16.6	61.5	576	6	AR424130
	761	16.6	61.5	576	6	AX984824
	762	16.6	61.5	576	6	BD119683
	763	16.6	61.5	602	6	AX824960
c	764	16.6	61.5	617	11	BV068662
c	765	16.6	61.5	622	4	AF348422
c	766	16.6	61.5	627	11	BV026047
c	767	16.6	61.5	628	11	BV061727
	768	16.6	61.5	633	10	AF348389
	769	16.6	61.5	633	10	AF348390
	770	16.6	61.5	636	8	AB036541
c	771	16.6	61.5	641	11	BV065679
	772	16.6	61.5	650	11	G49003
c	773	16.6	61.5	655	11	BV001227
	774	16.6	61.5	664	10	AY338819
	775	16.6	61.5	664	10	AY338820
	776	16.6	61.5	667	6	CQ487948
c	777	16.6	61.5	671	4	OAU10089
c	778	16.6	61.5	674	11	BV028866
c	779	16.6	61.5	681	11	BV048028
	780	16.6	61.5	683	11	BV014289
	781	16.6	61.5	698	8	ATH529462
c	782	16.6	61.5	720	11	BV015595
c	783	16.6	61.5	723	10	AB042281
	784	16.6	61.5	724	6	BD021638
	785	16.6	61.5	724	6	BD101576
	786	16.6	61.5	739	10	AY332715
c	787	16.6	61.5	741	8	AY088334
c	788	16.6	61.5	749	11	AF205820
	789	16.6	61.5	769	10	AY332713
	790	16.6	61.5	773	8	AY583784
	791	16.6	61.5	785	10	AY332716
c	792	16.6	61.5	792	10	AB08663S14
	793	16.6	61.5	797	10	AY332710
	794	16.6	61.5	797	10	AY332711
	795	16.6	61.5	797	10	AY332712
c	796	16.6	61.5	810	5	CR387476
c	797	16.6	61.5	813	8	AY102548
c	798	16.6	61.5	818	8	AY034957
c	799	16.6	61.5	824	4	AB035380
	800	16.6	61.5	842	5	AF040388
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	802	16.6	61.5	842	5	AF040390
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	810	16.6	61.5	842	5	AF040402
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	814	16.6	61.5	842	5	AF040406
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AR228450 Sequence
M81072 Simian immu
AJ512358 Trypanoso
CQ104053 Sequence
CQ142815 Sequence
CQ226046 Sequence
CQ264125 Sequence
CQ301215 Sequence
CQ338462 Sequence
AX401092 Sequence
AR424130 Sequence
AX984824 Sequence
BD119683 EST and e
AX824960 Sequence
BV068662 S212P6337
AF348422 Bos tauru
BV026047 S212P6057
BV061727 S212P6137
AF348389 Lemmus si
AF348390 Lemmus si
AB036541 Lycium an
BV065679 S212P6255
G49003 SHGC-78145
BV001227 S209P6493
AY338819 Phenacomy
AY338820 Phenacomy
CQ487948 Sequence
U10089 Ovis aries
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BV048028 S212P6052
BV014289 S212P6152
AJ529462 Arabidops
BV015595 S212P6357
AB042281 Mus muscu
BD021638 Novel gen
BD101576 Novel gen
AY332715 Microtus
AY088334 Arabidops
AF205820 Homo sapi
AY332713 Microtus
AY583784 Elaeis gu
AY332716 Microtus
AB086646 Mus muscu
AY332710 Microtus
AY332711 Microtus
AY332712 Microtus
CR387476 Gallus ga
AY102548 Arabidops
AY034957 Arabidops
AB035380 Sus scrof
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AF040419 Pimelodel

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824	16.6	61.5	842	5	AF040425	AF040425 Pimelodel
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827	16.6	61.5	842	5	AF231619	AF231619 Tylosurus
828	16.6	61.5	842	5	AF231620	AF231620 Tylosurus
829	16.6	61.5	842	5	AF231621	AF231621 Tylosurus
830	16.6	61.5	842	5	AF231622	AF231622 Tylosurus
831	16.6	61.5	842	5	AF231623	AF231623 Tylosurus
832	16.6	61.5	842	5	AF231625	AF231625 Tylosurus
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ALIGNMENTS

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RESULT 1
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DEFINITION  Sequence 5 from Patent EP1321530.
ACCESSION   AX781567
VERSION     AX781567.1  GI:32949414
KEYWORDS    .
SOURCE      Escherichia coli
  ORGANISM  Escherichia coli
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            Enterobacteriaceae; Escherichia.
REFERENCE   1
  AUTHORS   Liu,L.Y., Chung,T.Y. and Terng,H.J.
  TITLE     Method for detecting Escherichia coli
  JOURNAL   Patent: EP 1321530-A 5 25-JUN-2003;
            Dr. Chip Biotechnology Incorporation (TW)
FEATURES             Location/Qualifiers
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ORIGIN

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Qy          1 AATACATAACAGAAACCTGAAACACAA 27
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RESULT 2
CQ739233
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DEFINITION  Sequence 25167 from Patent WO02068579.
ACCESSION   CQ739233
VERSION     CQ739233.1  GI:42341742
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1
  AUTHORS   Venter,C.J., Adams,M.C., Li,P.W. and Myers,E.W.
  TITLE     Kits, such as nucleic acid arrays, comprising a majority of
            humanexons or transcripts, for detecting expression and other uses
            thereof
  JOURNAL   Patent: WO 02068579-A 25167 06-SEP-2002;
            PE Corporation (NY) (US)
FEATURES             Location/Qualifiers
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Db        315 AATACATAACTGAAACTTGAAACAAA 340


RESULT 3
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DEFINITION  Mullus barbatus clone Mb8 microsatellite sequence.
ACCESSION   AY239607
VERSION     AY239607.1  GI:37359461
KEYWORDS    .
SOURCE      Mullus barbatus (red mullet)
  ORGANISM  Mullus barbatus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Actinopterygii; Neopterygii; Teleostei; Euteleostei; Neoteleostei;
            Acanthomorpha; Acanthopterygii; Percomorpha; Perciformes;
            Percoidei; Mullidae; Mullus.
REFERENCE   1  (bases 1 to 346)
  AUTHORS   Garoia,F., Guarniero,I. and Tinti,F.
  TITLE     Dinucleotide microsatellite loci for Mullus barbatus
  JOURNAL   Unpublished
REFERENCE   2  (bases 1 to 346)
  AUTHORS   Garoia,F., Guarniero,I. and Tinti,F.
  TITLE     Direct Submission
  JOURNAL   Submitted (19-FEB-2003) Interdept. Center for Research in
            Environmental Sciences, University of Bologna, Via Tombesi dall'Ova
            55, Ravenna 48100, Italy
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ORIGIN

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Qy          5 CATAACAGAAACCTGAAACACA 26
              ||| ||||||||||||||||||
Db         97 CATGACAGAAACCTGAAACACA 76
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GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

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Post-processing: Minimum Match 0%
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Listing first 1000 summaries

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13: geneseqn2004bs:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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	4	19	70.4	144	13	ADS04087	Ads04087 Staphyloc
c	5	19	70.4	144	13	ADS04087	Ads04087 Staphyloc
	6	19	70.4	207	4	AAK64555	Aak64555 Human imm
	7	19	70.4	207	4	AAK62027	Aak62027 Human imm
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	12	19	70.4	470	9	ACH28143	Ach28143 Human adu
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c	18	19	70.4	678	13	ADQ49959	Adq49959 Novel can
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c	25	18.2	67.4	567	5	ABV55688	Abv55688 Human pro
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c	27	18.2	67.4	680	6	ABQ25706	Abq25706 Oligonucl
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	51	17.6	65.2	427	5	ABV32219	Abv32219 Human pro
	52	17.6	65.2	444	13	ADT42486	Adt42486 Bacterial
c	53	17.6	65.2	482	4	AAL35495	Aal35495 Human mus
c	54	17.6	65.2	482	8	ABX58483	Abx58483 cDNA enco
c	55	17.6	65.2	482	12	ADJ28210	Adj28210 Human mus
	56	17.6	65.2	495	5	ABV55512	Abv55512 Human pro
	57	17.6	65.2	578	13	ACN48479	Acn48479 Cotton pr
c	58	17.6	65.2	594	12	ACH74062	Ach74062 Human gen
	59	17.6	65.2	602	4	AAL37306	Aal37306 Human mus
	60	17.6	65.2	602	8	ABX60294	Abx60294 cDNA enco
	61	17.6	65.2	602	12	ADJ31044	Adj31044 Human mus
c	62	17.6	65.2	663	6	ABZ43077	Abz43077 Human GPC
c	63	17.6	65.2	665	12	ACH87762	Ach87762 Human gen
	64	17.6	65.2	877	4	AAI94134	Aai94134 Human neu
c	65	17.6	65.2	945	4	AAH32223	Aah32223 Human olf
c	66	17.6	65.2	959	6	ABS64709	Abs64709 cDNA enco
c	67	17.4	64.4	34	6	ABA90845	Aba90845 Bacillus
	68	17.4	64.4	100	2	AAQ31247	Aaq31247 5' CHSH-G
	69	17.4	64.4	183	2	AAQ77394	Aaq77394 Human gen
	70	17.4	64.4	277	3	AAA41289	Aaa41289 Human sec
	71	17.4	64.4	323	5	ABA16872	Aba16872 Human ner
	72	17.4	64.4	323	5	ABA16873	Aba16873 Human ner
	73	17.4	64.4	323	5	ABA16874	Aba16874 Human ner
c	74	17.4	64.4	335	5	AAF67130	Aaf67130 Novel hum
	75	17.4	64.4	373	4	AAK91507	Aak91507 Human dig
c	76	17.4	64.4	373	4	AAK74331	Aak74331 Human imm
	77	17.4	64.4	373	4	AAK64733	Aak64733 Human imm
c	78	17.4	64.4	384	3	AAH30137	Aah30137 Human col
	79	17.4	64.4	412	8	ABX62433	Abx62433 Arabidops
c	80	17.4	64.4	420	4	AAI83809	Aai83809 Human pol
c	81	17.4	64.4	422	6	ABL37632	Abl37632 Human col
c	82	17.4	64.4	426	8	ABZ18612	Abz18612 Group III
	83	17.4	64.4	460	6	ABK09576	Abk09576 Human ova
c	84	17.4	64.4	464	6	ABK54013	Abk54013 Human hea
c	85	17.4	64.4	474	6	ABK15901	Abk15901 Human lun
c	86	17.4	64.4	474	10	ADB95164	Adb95164 Human lun
c	87	17.4	64.4	487	13	ADR63682	Adr63682 Cotton cD
	88	17.4	64.4	489	3	AAC43313	Aac43313 Arabidops
	89	17.4	64.4	498	4	AAS58114	Aas58114 cDNA #790
c	90	17.4	64.4	509	6	ABQ49590	Abq49590 Oligonucl
	91	17.4	64.4	509	6	ABQ49591	Abq49591 Oligonucl
	92	17.4	64.4	510	2	AAV01872	Aav01872 Human ske
	93	17.4	64.4	510	8	ACC69963	Acc69963 Skeletal

	94	17.4	64.4	510	13	ADQ76502
	95	17.4	64.4	513	10	ADC02492
	96	17.4	64.4	513	10	ADF17877
	97	17.4	64.4	521	6	ABV87420
c	98	17.4	64.4	537	12	ACH67966
	99	17.4	64.4	569	5	ABV51809
	100	17.4	64.4	570	12	ADO20363
	101	17.4	64.4	575	12	ADQ92189
c	102	17.4	64.4	577	6	ABK16177
c	103	17.4	64.4	577	10	ADB95440
	104	17.4	64.4	596	3	AAC37743
c	105	17.4	64.4	599	13	ACN54834
c	106	17.4	64.4	602	6	ABQ23202
	107	17.4	64.4	602	6	ABQ23203
c	108	17.4	64.4	616	6	ABQ66253
	109	17.4	64.4	617	2	AAV01873
c	110	17.4	64.4	617	3	AAA16351
	111	17.4	64.4	617	8	ACC69964
	112	17.4	64.4	617	12	ADO51282
	113	17.4	64.4	617	13	ADQ76503
c	114	17.4	64.4	626	5	ABV48799
	115	17.4	64.4	629	2	AAV59567
	116	17.4	64.4	629	6	ABS73719
	117	17.4	64.4	629	9	ACD82862
	118	17.4	64.4	629	10	ADI22947
	119	17.4	64.4	629	12	ADH73949
c	120	17.4	64.4	634	3	AAA16334
c	121	17.4	64.4	635	13	ACN54114
	122	17.4	64.4	639	2	AAX22990
	123	17.4	64.4	641	4	AAH34311
c	124	17.4	64.4	660	6	ABQ42358
	125	17.4	64.4	660	6	ABQ42359
c	126	17.4	64.4	681	6	ABQ53254
	127	17.4	64.4	681	6	ABQ53255
c	128	17.4	64.4	688	12	ADN05431
	129	17.4	64.4	696	2	AAV38298
	130	17.4	64.4	739	4	AAI96891
c	131	17.4	64.4	750	12	ADJ40343
c	132	17.4	64.4	754	5	ABV19020
	133	17.4	64.4	808	6	ABQ43233
c	134	17.4	64.4	808	6	ABQ43232
c	135	17.4	64.4	811	4	AAH04092
c	136	17.4	64.4	812	3	AAC35178
c	137	17.4	64.4	815	6	ABN98982
c	138	17.4	64.4	861	6	ABQ42058
	139	17.4	64.4	861	6	ABQ42059
c	140	17.4	64.4	905	13	ADR61990
c	141	17.4	64.4	918	10	ADG30735
c	142	17.4	64.4	931	6	ABN98613
c	143	17.4	64.4	943	3	AAC45213
c	144	17.4	64.4	947	3	AAC35229
	145	17.4	64.4	947	6	ABQ29225
c	146	17.4	64.4	947	6	ABQ29224
c	147	17.4	64.4	948	6	ABL35085
c	148	17.4	64.4	1000	10	ADF45541
	149	17.2	63.7	140	4	AAK59621
c	150	17.2	63.7	522	13	ADQ52901
c	151	17.2	63.7	533	10	ADC24871
c	152	17.2	63.7	546	3	AAC11628
c	153	17.2	63.7	551	4	AAL02146
c	154	17.2	63.7	551	5	AAS40231
c	155	17.2	63.7	551	11	ADJ09226
	156	17.2	63.7	553	12	ACH73159
c	157	17.2	63.7	560	5	ABV58289
	158	17.2	63.7	584	4	AAH05707
	159	17.2	63.7	589	5	ABV54765
	160	17.2	63.7	601	5	ABV59073
c	161	17.2	63.7	626	3	AAA26676
c	162	17.2	63.7	726	6	ABQ19428
	163	17.2	63.7	726	6	ABQ19429
	164	17.2	63.7	865	4	AAI97934
	165	17.2	63.7	865	4	AAI98087
	166	17	63.0	139	4	AAK75750

Adq76502	Nucleotid
Adc02492	DNA encod
Adf17877	E2 ubiqui
Abv87420	Human col
Ach67966	Human gen
Abv51809	Human pro
Ado20363	Human PRO
Adq92189	Human aut
Abk16177	Human lun
Adb95440	Human lun
Aac37743	Arabidops
Acn54834	Cotton an
Abq23202	Oligonucl
Abq23203	Oligonucl
Abq66253	Arabidops
Aav01873	Human ske
Aaa16351	Human col
Acc69964	Skeletal
Ado51282	Human ubi
Adq76503	Nucleotid
Abv48799	Human pro
Aav59567	Human sec
Abs73719	Human cDN
Acd82862	cDNA sequ
Adi22947	cDNA enco
Adh73949	Human sec
Aaa16334	Human col
Acn54114	Cotton an
Aax22990	Canine BP
Aah34311	Human col
Abq42358	Oligonucl
Abq42359	Oligonucl
Abq53254	Oligonucl
Abq53255	Oligonucl
Adn05431	Antipsori
Aav38298	Respirato
Aai96891	Human neu
Adj40343	Plant cDN
Abv19020	Human pro
Abq43233	Oligonucl
Abq43232	Oligonucl
Aah04092	Human cDN
Aac35178	Arabidops
Abn98982	Arabidops
Abq42058	Oligonucl
Abq42059	Oligonucl
Adr61990	Cotton cD
Adg30735	Leptospir
Abn98613	Arabidops
Aac45213	Arabidops
Aac35229	Arabidops
Abq29225	Oligonucl
Abq29224	Oligonucl
Abl35085	Murine cD
Adf45541	Arabidops
Aak59621	Human imm
Adq52901	Novel can
Adc24871	Human bre
Aac11628	Human sec
Aal02146	Human rep
Aas40231	DNA encod
Adj09226	Human pro
Ach73159	Human gen
Abv58289	Human pro
Aah05707	Human cDN
Abv54765	Human pro
Abv59073	Human pro
Aaa26676	Candida a
Abq19428	Oligonucl
Abq19429	Oligonucl
Aai97934	Human neu
Aai98087	Human neu
Aak75750	Human imm

	167	17	63.0	139	4	AAK75751
c	168	17	63.0	258	3	AAC21213
c	169	17	63.0	304	5	ABV08638
	170	17	63.0	333	3	AAC23725
	171	17	63.0	341	5	ABV05540
	172	17	63.0	346	3	AAC20191
	173	17	63.0	367	4	AAK57667
c	174	17	63.0	378	3	AAC26394
	175	17	63.0	392	4	AAI92188
	176	17	63.0	394	11	ACN89836
c	177	17	63.0	453	9	ACH23182
c	178	17	63.0	477	5	ABV38540
	179	17	63.0	497	11	ACN80557
c	180	17	63.0	527	6	ABQ44634
	181	17	63.0	527	6	ABQ44635
c	182	17	63.0	543	6	ABQ28292
	183	17	63.0	543	6	ABQ28293
	184	17	63.0	543	13	ACN56570
	185	17	63.0	559	4	AAK70859
c	186	17	63.0	579	9	ADA28874
	187	17	63.0	581	5	ABV50589
	188	17	63.0	615	6	ABQ45533
c	189	17	63.0	615	6	ABQ45532
c	190	17	63.0	624	13	ACN56479
c	191	17	63.0	672	10	ADH85013
c	192	17	63.0	677	4	AAS35999
	193	17	63.0	677	4	AAK75752
c	194	17	63.0	677	10	ADE46693
c	195	17	63.0	677	13	ADJ08111
	196	17	63.0	678	4	AAK75749
c	197	17	63.0	703	6	ABQ16788
	198	17	63.0	703	6	ABQ16789
	199	17	63.0	732	4	AAK93118
	200	17	63.0	732	4	AAK91548
	201	17	63.0	732	12	ADL29545
	202	17	63.0	732	12	ADL27975
	203	17	63.0	744	6	ABT04072
	204	17	63.0	747	4	AAH07992
	205	17	63.0	812	3	AAC76188
c	206	17	63.0	835	2	ADR01685
	207	17	63.0	879	6	ABT04073
	208	17	63.0	901	4	AAH34402
c	209	17	63.0	924	4	AAH98776
c	210	16.8	62.2	337	4	AAI87484
	211	16.8	62.2	456	6	ABV97580
c	212	16.6	61.5	28	4	AAF84297
c	213	16.6	61.5	28	4	AAF76169
c	214	16.6	61.5	28	8	ACC42605
c	215	16.6	61.5	48	12	ADM11083
	216	16.6	61.5	81	4	ABA71677
	217	16.6	61.5	81	4	AAI51974
	218	16.6	61.5	81	4	AAK46067
	219	16.6	61.5	81	4	AAK20022
	220	16.6	61.5	81	4	ABS45773
	221	16.6	61.5	81	6	ABS20363
c	222	16.6	61.5	126	2	AAT21210
	223	16.6	61.5	176	13	ADR52954
	224	16.6	61.5	195	8	ACC46523
c	225	16.6	61.5	210	12	ADP62290
c	226	16.6	61.5	249	6	ABV95626
	227	16.6	61.5	250	10	ACD98211
	228	16.6	61.5	291	5	ABV05126
	229	16.6	61.5	339	3	AAC04675
c	230	16.6	61.5	345	3	AAC17488
	231	16.6	61.5	345	4	ABL25411
	232	16.6	61.5	377	8	ABX35356
	233	16.6	61.5	400	6	ABS69723
c	234	16.6	61.5	401	4	AAK95407
c	235	16.6	61.5	401	4	AAK96900
c	236	16.6	61.5	401	6	ABT00177
c	237	16.6	61.5	401	6	ABT01670
c	238	16.6	61.5	442	9	ACH26142
c	239	16.6	61.5	452	9	ACH22189

Aak75751	Human imm
Aac21213	Human sec
Abv08638	Human pro
Aac23725	Human sec
Abv05540	Human pro
Aac20191	Human sec
Aak57667	Human imm
Aac26394	Human sec
Aai92188	Human pol
Acn89836	Breast ca
Ach23182	Human adu
Abv38540	Human pro
Acn80557	Breast ca
Abq44634	Oligonucl
Abq44635	Oligonucl
Abq28292	Oligonucl
Abq28293	Oligonucl
Acn56570	Cotton gy
Aak70859	Human imm
Ada28874	DNA encod
Abv50589	Human pro
Abq45533	Oligonucl
Abq45532	Oligonucl
Acn56479	Cotton gy
Adh85013	Enterococ
Aas35999	Human car
Aak75752	Human imm
Ade46693	Human car
Adj08111	Human car
Aak75749	Human imm
Abq16788	Oligonucl
Abq16789	Oligonucl
Aak93118	Human cDN
Aak91548	Human cDN
Adl29545	5' end of
Adl27975	5' end of
Abt04072	Human ova
Aah07992	Human cDN
Aac76188	Human ORF
Adr01685	A. gossyp
Abt04073	Human ova
Aah34402	Human col
Aah98776	Human EST
Aai87484	Human pol
Abv97580	Human pan
Aaf84297	Human IL-
Aaf76169	Human int
Acc42605	Human int
Adm11083	Human IL-
Aba71677	Human foe
Aai51974	Probe #20
Aak46067	Human bon
Aak20022	Human bra
Abs45773	Human liv
Abs20363	Human gen
Aat21210	Human gen
Adr52954	Drug ther
Acc46523	Human dit
Adp62290	Soybean c
Abv95626	Human pan
Acd98211	Human col
Abv05126	Human pro
Aac04675	Human sec
Aac17488	Human sec
Abl25411	Drosophil
Abx35356	Bovine ES
Abs69723	Novel mur
Aak95407	Human neu
Aak96900	Human neu
Abt00177	Human neu
Abt01670	Human neu
Ach26142	Human adu
Ach22189	Human adu

	240	16.6	61.5	458	6	ABK16268 Abk16268 Human lun
	241	16.6	61.5	458	10	ADB95531 Adb95531 Human lun
	242	16.6	61.5	460	4	ABA59154 Aba59154 Human foe
	243	16.6	61.5	460	4	AAI38903 Probe #75
	244	16.6	61.5	460	4	AAK33108 Aak33108 Human bon
	245	16.6	61.5	460	4	AAK07340 Aak07340 Human bra
	246	16.6	61.5	460	4	ABS32845 Abs32845 Human liv
	247	16.6	61.5	460	6	ABS07925 Abs07925 Human gen
	248	16.6	61.5	469	2	AAX20007 Aax20007 Enterococ
	249	16.6	61.5	469	6	ABN97992 E faecali
	250	16.6	61.5	469	8	ACA87956 Aca87956 E. faecal
	251	16.6	61.5	469	8	ABX61562 Abx61562 Enterococ
	252	16.6	61.5	474	13	ACN47800 Acn47800 Cotton pr
	253	16.6	61.5	481	9	ACH21849 Ach21849 Human adu
c	254	16.6	61.5	488	3	AAC46723 Aac46723 Zea mays
c	255	16.6	61.5	488	8	ABX40098 Abx40098 Bovine ES
	256	16.6	61.5	513	4	AAI62536 Aai62536 Human bre
	257	16.6	61.5	513	4	AAL02238 Aal02238 Human rep
c	258	16.6	61.5	531	12	ADM11078 Adm11078 Recombina
c	259	16.6	61.5	531	12	ADM11087 Adm11087 IL-7 conf
c	260	16.6	61.5	534	12	ADM11100 Adm11100 Monkey in
c	261	16.6	61.5	534	12	ADM11099 Adm11099 Human int
	262	16.6	61.5	536	5	ADI74426 Adi74426 Human ova
	263	16.6	61.5	536	5	ADI68054 Adi68054 Human ova
	264	16.6	61.5	552	10	ADH85375 Adh85375 Enterococ
	265	16.6	61.5	555	2	AAX20006 Aax20006 Enterococ
	266	16.6	61.5	555	6	ABN97991 E faecali
	267	16.6	61.5	555	8	ACA87955 E. faecal
	268	16.6	61.5	555	8	ABX61561 Abx61561 Enterococ
	269	16.6	61.5	569	4	ABA64081 Aba64081 Human foe
	270	16.6	61.5	569	4	AAI44226 Probe #12
	271	16.6	61.5	569	4	AAK38280 Aak38280 Human bon
	272	16.6	61.5	569	4	AAK12565 Aak12565 Human bra
	273	16.6	61.5	569	4	ABS37895 Abs37895 Human liv
	274	16.6	61.5	569	6	ABS12329 Abs12329 Human gen
c	275	16.6	61.5	575	6	ABK62861 Abk62861 Rat seque
	276	16.6	61.5	589	10	ADB51914 Adb51914 Primary r
	277	16.6	61.5	595	5	AAS84313 Aas84313 DNA encod
	278	16.6	61.5	602	10	ADF13378 Adf13378 Human myo
	279	16.6	61.5	606	8	ACA23015 Aca23015 Prokaryot
c	280	16.6	61.5	644	10	ADD16660 Add16660 DNA (SeqI
c	281	16.6	61.5	664	4	AAS22612 Aas22612 Human cDN
	282	16.6	61.5	667	5	ABV19824 Abv19824 Human pro
	283	16.6	61.5	724	4	AAI97801 Aai97801 Human neu
	284	16.6	61.5	735	8	ABZ18477 Abz18477 Group III
c	285	16.6	61.5	738	3	AAC50855 Aac50855 Arabidops
c	286	16.6	61.5	741	3	AAC38773 Aac38773 Arabidops
	287	16.6	61.5	769	6	ABQ56097 Abq56097 Human ova
	288	16.6	61.5	827	6	ABQ54376 Abq54376 Human ova
	289	16.6	61.5	924	13	ADS47413 Ads47413 Bacterial
c	290	16.6	61.5	927	13	ADR37730 Adr37730 African g
	291	16.6	61.5	978	6	ABT11263 Abt11263 Yeast sel
	292	16.4	60.7	51	4	AAH79984 Aah79984 Human DNA
	293	16.4	60.7	70	2	AAT19452 Aat19452 Human gen
	294	16.4	60.7	105	3	AAA60459 Aaa60459 Murine fa
	295	16.4	60.7	121	12	ADK91857 Adk91857 Polynucle
	296	16.4	60.7	150	5	ADI69654 Adi69654 Human ova
	297	16.4	60.7	150	5	ADI75991 Adi75991 Human ova
c	298	16.4	60.7	182	3	AAA45093 Aaa45093 Human sec
	299	16.4	60.7	201	2	AAV00418 Aav00418 3' fragme
c	300	16.4	60.7	228	10	ADF01022 Adf01022 Bacterial
	301	16.4	60.7	244	5	ABV19747 Abv19747 Human pro
	302	16.4	60.7	284	13	ADR27581 Adr27581 Human gen
	303	16.4	60.7	309	3	AAC32013 Aac32013 Human sec
	304	16.4	60.7	323	6	ABQ56610 Human col
	305	16.4	60.7	331	5	ADI68661 Adi68661 Human ova
	306	16.4	60.7	331	5	ADI75023 Adi75023 Human ova
	307	16.4	60.7	338	6	ABN17259 Abn17259 Human ORF
c	308	16.4	60.7	341	2	AAV87213 Aav87213 EST clone
	309	16.4	60.7	342	5	ADI71940 Adi71940 Human ova
	310	16.4	60.7	342	5	ADL37091 Adl37091 Human ova
	311	16.4	60.7	344	12	ADQ19002 Adq19002 Human sof
	312	16.4	60.7	346	4	AAI82631 Aai82631 Human pol
	313	16.4	60.7	349	3	AAC31425 Aac31425 Human sec
	314	16.4	60.7	353	5	ADL41227 Adl41227 Human ova
c	315	16.4	60.7	372	5	AAS65729 Aas65729 DNA encod
	316	16.4	60.7	372	5	ABV49514 Abv49514 Human pro
c	317	16.4	60.7	378	4	AAI84586 Aai84586 Human pol
c	318	16.4	60.7	379	4	AAI87256 Aai87256 Human pol
c	319	16.4	60.7	390	5	AAF65992 Aaf65992 Novel hum
c	320	16.4	60.7	391	6	ABL84429 Abl84429 Human ova
	321	16.4	60.7	391	12	ADQ17929 Adq17929 Human sof
	322	16.4	60.7	393	6	ABL61688 Abl61688 Colon ade
	323	16.4	60.7	393	6	ABN94029 Abn94029 Gene #527
c	324	16.4	60.7	393	9	ACH21303 Ach21303 Human adu
	325	16.4	60.7	397	6	ABK70241 Abk70241 Human lun
	326	16.4	60.7	400	5	ADL40260 Adl40260 Human ova
c	327	16.4	60.7	404	9	ACH19481 Ach19481 Human adu
	328	16.4	60.7	407	2	AAV88305 Aav88305 EST clone
	329	16.4	60.7	407	13	ACN55407 Acn55407 Cotton an
c	330	16.4	60.7	411	5	ABV00485 Abv00485 Human pro
	331	16.4	60.7	412	5	ABV47628 Abv47628 Human pro
	332	16.4	60.7	417	8	ABX42303 Abx42303 Bovine ES
	333	16.4	60.7	424	3	AAC94231 Aac94231 Cat flea
c	334	16.4	60.7	425	5	AAS66705 Aas66705 DNA encod
c	335	16.4	60.7	435	6	ABA01740 Aba01740 Apple chl
c	336	16.4	60.7	436	3	AAC06561 Aac06561 Human sec
	337	16.4	60.7	437	5	ABV18388 Abv18388 Human pro
c	338	16.4	60.7	439	5	ABA12426 Aba12426 Human ner
c	339	16.4	60.7	440	2	AAV88845 Aav88845 EST clone
c	340	16.4	60.7	441	3	AAC69738 Aac69738 Human bre
c	341	16.4	60.7	444	6	ABK15943 Abk15943 Human lun
c	342	16.4	60.7	444	10	ADB95206 Adb95206 Human lun
c	343	16.4	60.7	451	4	AAI80672 Aai80672 Human pol
c	344	16.4	60.7	460	10	ADI81871 Adi81871 A. thalia
c	345	16.4	60.7	462	2	AAZ16509 Aaz16509 Human gen
c	346	16.4	60.7	474	3	AAC40881 Aac40881 Arabidops
c	347	16.4	60.7	475	3	AAC34239 Aac34239 Arabidops
c	348	16.4	60.7	475	5	ADI73280 Adi73280 Human ova
c	349	16.4	60.7	475	5	ADL38411 Adl38411 Human ova
c	350	16.4	60.7	478	12	ADP91279 Adp91279 Cotton ex
	351	16.4	60.7	488	13	ADQ52514 Adq52514 Novel can
c	352	16.4	60.7	489	5	ADL44795 Adl44795 Human ova
c	353	16.4	60.7	491	3	AAC41923 Aac41923 Arabidops
c	354	16.4	60.7	492	3	AAZ36296 Aaz36296 Mechanica
	355	16.4	60.7	493	6	ABK62309 Abk62309 Rat seque
	356	16.4	60.7	493	10	ADB55462 Adb55462 Toxicity-
c	357	16.4	60.7	500	6	ABQ49534 Abq49534 Oligonucl
	358	16.4	60.7	500	6	ABQ49535 Abq49535 Oligonucl
	359	16.4	60.7	500	10	ADC81436 Adc81436 Human ZZA
c	360	16.4	60.7	507	3	AAC49093 Aac49093 Arabidops
c	361	16.4	60.7	510	4	AAH33304 Aah33304 Human col
c	362	16.4	60.7	513	3	AAC40682 Aac40682 Arabidops
c	363	16.4	60.7	522	12	ACH73934 Ach73934 Human gen
	364	16.4	60.7	523	12	ACH77210 Ach77210 Human gen
c	365	16.4	60.7	528	3	AAA78548 Aaa78548 Plant SDF
c	366	16.4	60.7	531	4	AAL03163 Aal03163 Human rep
c	367	16.4	60.7	531	4	AAL03162 Aal03162 Human rep
c	368	16.4	60.7	531	5	ABA21317 Aba21317 Human ner
c	369	16.4	60.7	531	5	ABA21315 Aba21315 Human ner
c	370	16.4	60.7	531	8	ACA42027 Aca42027 Prokaryot
	371	16.4	60.7	535	6	ABN18301 Abn18301 Human ORF
	372	16.4	60.7	538	5	ABV48174 Abv48174 Human pro
c	373	16.4	60.7	538	13	ACN61366 Acn61366 Cotton gy
c	374	16.4	60.7	539	5	ABV54832 Abv54832 Human pro
c	375	16.4	60.7	545	6	ABQ22128 Abq22128 Oligonucl
	376	16.4	60.7	545	6	ABQ22129 Abq22129 Oligonucl
c	377	16.4	60.7	546	6	AAS97218 Aas97218 Neisseria
c	378	16.4	60.7	549	5	ABV49184 Abv49184 Human pro
	379	16.4	60.7	550	4	AAH09919 Aah09919 Human cDN
	380	16.4	60.7	551	6	ABQ39667 Abq39667 Oligonucl
c	381	16.4	60.7	551	6	ABQ39666 Abq39666 Oligonucl
c	382	16.4	60.7	552	9	ACH21763 Ach21763 Human adu
c	383	16.4	60.7	553	5	ABA20640 Aba20640 Human ner
c	384	16.4	60.7	555	3	AAC41592 Aac41592 Arabidops
c	385	16.4	60.7	557	3	AAC98312 Aac98312 Human col

c	386	16.4	60.7	561	12	ACH71795
c	387	16.4	60.7	569	6	ABQ50272
	388	16.4	60.7	569	6	ABQ50273
c	389	16.4	60.7	570	5	ABV19411
	390	16.4	60.7	572	10	ABX61439
	391	16.4	60.7	572	10	ABX56926
c	392	16.4	60.7	578	3	AAC45549
c	393	16.4	60.7	581	6	ABN60467
c	394	16.4	60.7	582	6	ABQ51334
	395	16.4	60.7	582	6	ABQ51335
c	396	16.4	60.7	585	5	ABV11200
	397	16.4	60.7	585	13	ADS46935
	398	16.4	60.7	586	4	AAH09580
c	399	16.4	60.7	589	4	ABA61774
c	400	16.4	60.7	589	4	AAI41694
c	401	16.4	60.7	589	4	AAK35980
c	402	16.4	60.7	589	4	AAK10085
c	403	16.4	60.7	589	4	ABS35683
c	404	16.4	60.7	589	6	ABS10170
c	405	16.4	60.7	593	12	ACH75156
	406	16.4	60.7	601	2	AAX81251
c	407	16.4	60.7	606	12	ADJ43004
	408	16.4	60.7	607	6	ABN65814
	409	16.4	60.7	607	13	ACN52166
	410	16.4	60.7	610	6	ABQ24953
c	411	16.4	60.7	610	6	ABQ24952
	412	16.4	60.7	619	6	ABQ47023
c	413	16.4	60.7	619	6	ABQ47022
c	414	16.4	60.7	630	5	ABV44648
c	415	16.4	60.7	630	5	ABV32346
	416	16.4	60.7	631	6	ABS73554
	417	16.4	60.7	631	9	ACD82697
	418	16.4	60.7	631	10	ADI22782
	419	16.4	60.7	631	12	ADH73784
	420	16.4	60.7	660	13	ADQ57860
	421	16.4	60.7	671	4	AAL15078
c	422	16.4	60.7	672	3	AAC47194
	423	16.4	60.7	675	2	AAV87740
c	424	16.4	60.7	692	9	ACL17443
c	425	16.4	60.7	700	4	AAK63754
c	426	16.4	60.7	731	6	ABQ65520
c	427	16.4	60.7	732	12	ADJ42782
	428	16.4	60.7	736	4	AAH03238
	429	16.4	60.7	739	4	AAH07163
	430	16.4	60.7	741	2	AAX99667
	431	16.4	60.7	743	4	AAL21789
	432	16.4	60.7	745	10	ACD97623
	433	16.4	60.7	749	3	AAA81566
c	434	16.4	60.7	761	6	ABQ51600
	435	16.4	60.7	761	6	ABQ51601
	436	16.4	60.7	763	6	ABQ38655
c	437	16.4	60.7	763	6	ABQ38654
c	438	16.4	60.7	765	4	AAH29533
	439	16.4	60.7	767	4	AAK58811
	440	16.4	60.7	768	4	AAH06428
	441	16.4	60.7	771	6	ABQ48199
c	442	16.4	60.7	771	6	ABQ48198
	443	16.4	60.7	776	4	AAL23931
	444	16.4	60.7	780	3	AAC45211
	445	16.4	60.7	782	3	AAC34857
c	446	16.4	60.7	788	13	ADR62912
c	447	16.4	60.7	800	4	AAK85859
	448	16.4	60.7	810	4	AAK93413
	449	16.4	60.7	810	12	ADL29840
c	450	16.4	60.7	813	10	ADC94020
c	451	16.4	60.7	821	10	ABX08843
c	452	16.4	60.7	822	13	ADR63564
	453	16.4	60.7	834	2	AAT84119
	454	16.4	60.7	839	4	AAH99233
c	455	16.4	60.7	846	4	AAK64542
c	456	16.4	60.7	846	4	AAK60991
c	457	16.4	60.7	866	3	AAC55176
	458	16.4	60.7	874	2	AAX39790

Ach71795 Human gen
Abq50272 Oligonucl
Abq50273 Oligonucl
Abv19411 Human pro
Abx61439 Arabidops
Abx56926 Arabidops
Aac45549 Arabidops
Abn60467 Human can
Abq51334 Oligonucl
Abq51335 Oligonucl
Abv11200 Human pro
Ads46935 Bacterial
Aah09580 Human cDN
Aba61774 Human foe
Aai41694 Probe #10
Aak35980 Human bon
Aak10085 Human bra
Abs35683 Human liv
Abs10170 Human gen
Ach75156 Human gen
Aax81251 Human oli
Adj43004 Plant cDN
Abn65814 Human can
Acn52166 Cotton an
Abq24953 Oligonucl
Abq24952 Oligonucl
Abq47023 Oligonucl
Abq47022 Oligonucl
Abv44648 Human pro
Abv32346 Human pro
Abs73554 Human cDN
Acd82697 cDNA sequ
Adi22782 cDNA enco
Adh73784 Human sec
Adq57860 Novel can
Aal15078 Human bre
Aac47194 Arabidops
Aav87740 EST clone
Acl17443 DNA clone
Aak63754 Human imm
Abq65520 Arabidops
Adj42782 Plant cDN
Aah03238 Human cDN
Aah07163 Human cDN
Aax99667 Nucleic a
Aal21789 Human bre
Acd97623 Human col
Aaa81566 N. mening
Abq51600 Oligonucl
Abq51601 Oligonucl
Abq38655 Oligonucl
Abq38654 Oligonucl
Aah29533 Drosophil
Aak58811 Human imm
Aah06428 Human cDN
Abq48199 Oligonucl
Abq48198 Oligonucl
Aal23931 Human bre
Aac45211 Arabidops
Aac34857 Arabidops
Adr62912 Cotton cD
Aak85859 Human imm
Aak93413 Human cDN
Adl29840 5' end of
Adc94020 E. faeciu
Abx08843 Angiogene
Adr63564 Cotton cD
Aat84119 DNA encod
Aah99233 Human pro
Aak64542 Human imm
Aak60991 Human imm
Aac55176 Arabidops
Aax39790 Gastric c

c	459	16.4	60.7	875	2	AAX20449
c	460	16.4	60.7	875	10	ADD90233
c	461	16.4	60.7	875	10	ADG90052
c	462	16.4	60.7	878	6	ABQ39200
	463	16.4	60.7	878	6	ABQ39201
c	464	16.4	60.7	881	6	ABQ14388
	465	16.4	60.7	881	6	ABQ14389
c	466	16.4	60.7	882	8	ACA33912
	467	16.4	60.7	886	11	ACN85099
c	468	16.4	60.7	887	3	AAC59297
c	469	16.4	60.7	910	6	ABL34307
c	470	16.4	60.7	910	6	ABL92333
	471	16.4	60.7	920	3	AAC35686
c	472	16.4	60.7	929	3	AAC46030
c	473	16.4	60.7	944	4	AAF57294
	474	16.4	60.7	979	12	ADQ22451
c	475	16.4	60.7	986	6	ABQ26438
	476	16.4	60.7	986	6	ABQ26439
c	477	16.4	60.7	999	10	ADD47022
c	478	16.4	60.7	1000	12	ADH70099
	479	16.2	60.0	141	3	AAC20887
c	480	16.2	60.0	154	9	ADA73657
c	481	16.2	60.0	155	9	ADA02111
c	482	16.2	60.0	155	10	ADB71850
	483	16.2	60.0	206	5	ABV19665
c	484	16.2	60.0	284	3	AAC08686
c	485	16.2	60.0	290	2	AAQ59773
c	486	16.2	60.0	386	3	AAC05497
c	487	16.2	60.0	391	9	ACH31346
c	488	16.2	60.0	410	3	AAH30218
c	489	16.2	60.0	429	9	ACH48764
c	490	16.2	60.0	434	10	ADE09653
	491	16.2	60.0	439	4	AAL04335
	492	16.2	60.0	465	9	ACH36967
	493	16.2	60.0	470	11	ADT94729
c	494	16.2	60.0	472	4	AAI10101
c	495	16.2	60.0	472	4	ABA51730
c	496	16.2	60.0	472	4	AAI31347
c	497	16.2	60.0	472	4	ABA21564
c	498	16.2	60.0	472	4	AAK25478
c	499	16.2	60.0	472	4	AAK00040
c	500	16.2	60.0	472	4	ABS25044
c	501	16.2	60.0	472	5	AAI00042
c	502	16.2	60.0	472	6	ABS00043
	503	16.2	60.0	493	9	ACH50810
	504	16.2	60.0	501	6	ABL82253
	505	16.2	60.0	520	5	ABV49432
	506	16.2	60.0	526	4	ABA62326
c	507	16.2	60.0	557	3	AAA44881
	508	16.2	60.0	582	12	ADK16856
	509	16.2	60.0	589	4	AAH11321
	510	16.2	60.0	624	4	AAK58460
c	511	16.2	60.0	730	2	AAV75263
	512	16.2	60.0	741	3	AAA79584
c	513	16.2	60.0	750	2	AAZ15616
c	514	16.2	60.0	930	4	AAF33114
	515	16	59.3	45	2	AAZ24749
c	516	16	59.3	60	6	ABN47799
c	517	16	59.3	65	6	ABN29594
	518	16	59.3	66	2	AAZ24748
c	519	16	59.3	93	10	ABZ38254
	520	16	59.3	107	4	AAK67678
	521	16	59.3	108	2	AAZ24747
c	522	16	59.3	121	12	ADK92808
	523	16	59.3	134	12	ACH88624
c	524	16	59.3	140	12	ADG99269
c	525	16	59.3	141	5	AAH67604
	526	16	59.3	173	2	AAT19676
c	527	16	59.3	198	10	ABZ40491
	528	16	59.3	198	10	ABZ41414
c	529	16	59.3	200	10	ADL24566
c	530	16	59.3	207	10	ABZ38658
	531	16	59.3	208	2	AAV86242

Aax20449 Human sec
Add90233 Novel hum
Adg90052 Human cDN
Abq39200 Oligonucl
Abq39201 Oligonucl
Abq14388 Oligonucl
Abq14389 Oligonucl
Aca33912 Prokaryot
Acn85099 Breast ca
Aac59297 Human sec
Abl34307 Human imm
Abl92333 Chemicall
Aac35686 Arabidops
Aac46030 Arabidops
Aaf57294 Human PHA
Adq22451 Human sof
Abq26438 Oligonucl
Abq26439 Oligonucl
Add47022 Human gen
Adh70099 Human Vbe
Aac20887 Human sec
Ada73657 Carcinoma
Ada02111 Mouse car
Adb71850 Mouse car
Abv19665 Human pro
Aac08686 Human sec
Aaq59773 Human bra
Aac05497 Human sec
Ach31346 Human bon
Aah30218 Human col
Ach48764 Human leu
Ade09653 Novel DNA
Aal04335 Human rep
Ach36967 Human end
Adt94729 Colon can
Aai10101 Probe #34
Aba51730 Human foe
Aai31347 Probe #33
Aba21564 Probe #30
Aak25478 Human bon
Aak00040 Human bra
Abs25044 Human liv
Aai00042 Probe #33
Abs00043 Human gen
Ach50810 Human mam
Abl82253 Human ova
Abv49432 Human pro
Aba62326 Human foe
Aaa44881 Human sec
Adk16856 Nanoarcha
Aah11321 Human cDN
Aak58460 Human imm
Aav75263 Staphyloc
Aaa79584 Pinus rad
Aaz15616 Human gen
Aaf33114 Human sec
Aaz24749 Semi-synt
Abn47799 Human spl
Abn29594 Rat splic
Aaz24748 Semi-synt
Abz38254 N. gonorr
Aak67678 Human imm
Aaz24747 Semi-synt
Adk92808 Polynucle
Ach88624 Human gen
Adg99269 Kidney di
Aah67604 C glutami
Aat19676 Human gen
Abz40491 N. gonorr
Abz41414 N. gonorr
Adl24566 Intestina
Abz38658 N. gonorr
Aav86242 EST clone

	532	16	59.3	228	2	AAZ24746 Aaz24746 Semi-synt
	533	16	59.3	242	10	ADK61218 Adk61218 Ovarian c
	534	16	59.3	242	12	ADO54949 Ado54949 Gene #46
	535	16	59.3	242	12	ADO55042 Ado55042 Gene #139
	536	16	59.3	248	3	AAC02423 Aac02423 Human sec
c	537	16	59.3	254	4	AAI99055 Aai99055 Human exc
c	538	16	59.3	254	5	AAI63405 Aai63405 Human kid
c	539	16	59.3	255	10	ABZ39250 Abz39250 N. gonorr
c	540	16	59.3	270	8	ABZ76800 Abz76800 Nicotiana
	541	16	59.3	276	2	AAZ24745 Aaz24745 Seq ID No
c	542	16	59.3	286	6	ABL71396 Abl71396 Corn tass
	543	16	59.3	294	3	AAC27646 Aac27646 Human sec
	544	16	59.3	296	6	ABL37599 Abl37599 Human col
c	545	16	59.3	303	8	ABZ71878 Abz71878 Human can
	546	16	59.3	307	6	ABN60843 Abn60843 Human can
c	547	16	59.3	313	6	ABL67276 Abl67276 Thyroid c
c	548	16	59.3	313	6	ABL67887 Abl67887 Ovary can
c	549	16	59.3	313	6	ABN94475 Abn94475 Gene #973
c	550	16	59.3	313	10	ADK61219 Adk61219 Ovarian c
c	551	16	59.3	326	5	AAS29951 Aas29951 Human lun
c	552	16	59.3	326	10	ADB33288 Adb33288 Human nov
c	553	16	59.3	327	2	AAV87261 Aav87261 EST clone
c	554	16	59.3	335	4	AAK87846 Aak87846 Human dig
c	555	16	59.3	337	5	AAS29843 Aas29843 Human lun
c	556	16	59.3	337	10	ADB33088 Adb33088 Human nov
c	557	16	59.3	338	6	ABZ08591 Abz08591 Human leu
c	558	16	59.3	350	8	ABZ76864 Abz76864 Nicotiana
	559	16	59.3	352	5	AAF65163 Aaf65163 Novel hum
c	560	16	59.3	352	8	ABZ58603 Abz58603 Cytochrom
c	561	16	59.3	353	1	AAN71073 Aan71073 DNA seque
	562	16	59.3	357	2	AAT21297 Aat21297 Human gen
c	563	16	59.3	364	2	AAV78704 Aav78704 Staphyloc
c	564	16	59.3	366	4	AAL00213 Aal00213 Human rep
c	565	16	59.3	383	3	AAC05929 Aac05929 Human sec
	566	16	59.3	383	5	AAF65305 Aaf65305 Novel hum
c	567	16	59.3	384	10	ADH82335 Adh82335 Enterococ
c	568	16	59.3	387	10	ADB37426 Adb37426 Human can
c	569	16	59.3	393	13	ADQ49877 Adq49877 Novel can
c	570	16	59.3	400	2	AAV78677 Aav78677 Staphyloc
	571	16	59.3	401	4	AAK96055 Aak96055 Human neu
	572	16	59.3	401	4	AAK97548 Aak97548 Human neu
	573	16	59.3	401	6	ABT00825 Abt00825 Human neu
	574	16	59.3	401	6	ABT02318 Abt02318 Human neu
	575	16	59.3	412	10	ADB55252 Adb55252 Toxicity-
c	576	16	59.3	412	10	ADD71854 Add71854 Human uri
	577	16	59.3	420	9	ACH17683 Ach17683 Human adu
	578	16	59.3	427	4	AAI87437 Aai87437 Human pol
	579	16	59.3	427	9	ACH50078 Ach50078 Human leu
	580	16	59.3	428	4	ABA56986 Aba56986 Human foe
	581	16	59.3	428	4	AAI36540 Aai36540 Probe #52
	582	16	59.3	428	4	ABA46404 Aba46404 Human bre
	583	16	59.3	428	4	AAK30603 Aak30603 Human bon
	584	16	59.3	428	6	ABS05290 Abs05290 Human gen
c	585	16	59.3	433	6	ABA01712 Aba01712 Apple chl
c	586	16	59.3	433	6	ABA01738 Aba01738 Apple chl
c	587	16	59.3	433	6	ABA01730 Aba01730 Apple chl
	588	16	59.3	436	6	ABL61723 Abl61723 Colon ade
	589	16	59.3	438	9	ACH47296 Ach47296 Human inf
	590	16	59.3	441	5	ABV11997 Abv11997 Human pro
	591	16	59.3	441	6	ABL78370 Abl78370 Human ova
	592	16	59.3	442	13	ADR26391 Adr26391 Breast ca
	593	16	59.3	448	5	ADL36823 Adl36823 Human ova
	594	16	59.3	448	5	ADI71667 Adi71667 Human ova
	595	16	59.3	450	10	ADE59574 Ade59574 Rat gene
	596	16	59.3	450	10	ADD47520 Add47520 Rat gene
	597	16	59.3	451	3	AAA69793 Aaa69793 Human ova
	598	16	59.3	451	6	ABN72687 Abn72687 Ovarian c
	599	16	59.3	451	9	ADA08852 Ada08852 Human ova
	600	16	59.3	451	10	ADF08599 Adf08599 cDNA enco
	601	16	59.3	451	10	ADG46347 Adg46347 Human ova
c	602	16	59.3	453	13	ADR52957 Adr52957 Drug ther
c	603	16	59.3	458	10	ADK60920 Adk60920 Ovarian c
	604	16	59.3	461	9	ACH26308 Ach26308 Human adu
c	605	16	59.3	461	10	ADD71855 Add71855 Human uri
c	606	16	59.3	463	9	ACH47549 Ach47549 Human inf
c	607	16	59.3	472	6	ABK38854 Abk38854 cDNA enco
c	608	16	59.3	472	8	ACA11183 Aca11183 Human lun
c	609	16	59.3	472	8	ACA02369 Aca02369 Lung canc
c	610	16	59.3	472	10	ADH46411 Adh46411 Human lun
c	611	16	59.3	472	13	ADJ20330 Adj20330 Human lun
	612	16	59.3	474	6	ABN61609 Abn61609 Human can
c	613	16	59.3	475	4	AAK64626 Aak64626 Human imm
c	614	16	59.3	475	6	ABL83888 Abl83888 Human ova
	615	16	59.3	477	9	ACH22700 Ach22700 Human adu
c	616	16	59.3	477	10	ADF82666 Adf82666 Leukaemia
c	617	16	59.3	481	4	AAI10893 Aai10893 Probe #82
c	618	16	59.3	481	4	ABA52544 Aba52544 Human foe
c	619	16	59.3	481	4	AAI32153 Aai32153 Probe #83
c	620	16	59.3	481	4	ABA42122 Aba42122 Human bre
c	621	16	59.3	481	4	ABA22333 Aba22333 Probe #79
c	622	16	59.3	481	4	AAK26260 Aak26260 Human bon
c	623	16	59.3	481	4	AAK00806 Aak00806 Human bra
c	624	16	59.3	481	4	ABS25851 Abs25851 Human liv
c	625	16	59.3	481	5	AAI00815 Aai00815 Probe #80
c	626	16	59.3	481	6	ABS00848 Abs00848 Human gen
	627	16	59.3	482	5	ABV33142 Abv33142 Human pro
	628	16	59.3	482	5	ABV42066 Abv42066 Human pro
c	629	16	59.3	486	9	ACH26249 Ach26249 Human adu
	630	16	59.3	488	13	ACN47374 Acn47374 Cotton pr
	631	16	59.3	490	5	ADL43207 Adl43207 Human ova
c	632	16	59.3	495	4	ABS31954 Abs31954 Human liv
c	633	16	59.3	495	6	ABS07025 Abs07025 Human gen
c	634	16	59.3	500	3	AAC21308 Aac21308 Human sec
	635	16	59.3	501	7	ADS71641 Ads71641 Human kid
	636	16	59.3	504	6	ABQ73929 Abq73929 Chimeric
c	637	16	59.3	517	4	ABK42043 Abk42043 cDNA enco
c	638	16	59.3	517	6	ABQ29116 Abq29116 Oligonucl
	639	16	59.3	517	6	ABQ29117 Abq29117 Oligonucl
c	640	16	59.3	517	9	ADB59710 Adb59710 Connectiv
	641	16	59.3	517	13	ACN48323 Acn48323 Cotton pr
	642	16	59.3	519	6	ABQ13441 Abq13441 Oligonucl
c	643	16	59.3	519	6	ABQ13440 Abq13440 Oligonucl
	644	16	59.3	523	5	ABV27646 Abv27646 Human pro
	645	16	59.3	523	5	ABV21822 Abv21822 Human pro
	646	16	59.3	526	4	AAS58013 Aas58013 cDNA #689
	647	16	59.3	528	4	AAH29475 Aah29475 Drosophil
	648	16	59.3	528	12	ACH74924 Ach74924 Human gen
	649	16	59.3	534	4	AAL02646 Aal02646 Human rep
c	650	16	59.3	536	4	AAI92891 Aai92891 Human pol
	651	16	59.3	539	4	AAH28986 Aah28986 Drosophil
	652	16	59.3	540	12	ACH72788 Ach72788 Human gen
	653	16	59.3	545	6	ABQ30735 Abq30735 Oligonucl
c	654	16	59.3	545	6	ABQ30734 Abq30734 Oligonucl
c	655	16	59.3	548	12	ADN05507 Adn05507 Antipsori
	656	16	59.3	550	12	ADK52066 Adk52066 Human ato
	657	16	59.3	551	10	ADF80030 Adf80030 Leukaemia
c	658	16	59.3	552	13	ACN50049 Acn50049 Cotton pr
c	659	16	59.3	555	4	AAL10370 Aal10370 Human bre
c	660	16	59.3	555	4	AAL19951 Aal19951 Human bre
c	661	16	59.3	556	12	ADI33340 Adi33340 Expressib
	662	16	59.3	559	6	ABK54971 Abk54971 Human col
	663	16	59.3	563	6	AAD26248 Aad26248 Human ga_
	664	16	59.3	564	6	ABK63265 Abk63265 Rat seque
	665	16	59.3	564	10	ADB52059 Adb52059 Primary r
	666	16	59.3	564	10	ABT41557 Abt41557 Toxicity
	667	16	59.3	565	4	AAH09617 Aah09617 Human cDN
	668	16	59.3	566	4	AAH09558 Aah09558 Human cDN
	669	16	59.3	567	13	ACN49732 Acn49732 Cotton pr
	670	16	59.3	567	13	ACN48297 Acn48297 Cotton pr
	671	16	59.3	570	6	ABQ14069 Abq14069 Oligonucl
c	672	16	59.3	570	6	ABQ14068 Abq14068 Oligonucl
	673	16	59.3	570	6	ABQ41045 Abq41045 Oligonucl
c	674	16	59.3	570	6	ABQ41044 Abq41044 Oligonucl
c	675	16	59.3	572	6	ABQ47042 Abq47042 Oligonucl
	676	16	59.3	572	6	ABQ47043 Abq47043 Oligonucl
c	677	16	59.3	573	10	ADK60922 Adk60922 Ovarian c

	678	16	59.3	576	10	ADK12058 Adk12058 Breast ca
c	679	16	59.3	587	4	AAK69368 Aak69368 Human imm
c	680	16	59.3	598	4	AAK69369 Aak69369 Human imm
c	681	16	59.3	598	4	AAK66408 Aak66408 Human imm
c	682	16	59.3	598	5	ABV58538 Abv58538 Human pro
	683	16	59.3	599	12	ACH72534 Ach72534 Human gen
	684	16	59.3	600	5	ABV55137 Abv55137 Human pro
c	685	16	59.3	600	6	ABS11530 Abs11530 Human gen
c	686	16	59.3	608	5	ABV55647 Abv55647 Human pro
c	687	16	59.3	613	4	AAF80592 Aaf80592 Receptor
	688	16	59.3	613	11	ACN88127 Acn88127 Breast ca
	689	16	59.3	617	5	ABV52893 Abv52893 Human pro
c	690	16	59.3	617	6	ABQ66246 Abq66246 Arabidops
	691	16	59.3	621	6	ABQ47959 Abq47959 Oligonucl
c	692	16	59.3	621	6	ABQ47958 Abq47958 Oligonucl
	693	16	59.3	627	6	ABN62040 Abn62040 Human can
c	694	16	59.3	660	6	ABQ21634 Abq21634 Oligonucl
	695	16	59.3	660	6	ABQ21635 Abq21635 Oligonucl
c	696	16	59.3	666	11	ACN80569 Acn80569 Breast ca
	697	16	59.3	675	10	ADB57693 Adb57693 Toxicity-
	698	16	59.3	698	4	AAF44877 Aaf44877 Human bre
c	699	16	59.3	700	4	AAH93135 Aah93135 Human inf
	700	16	59.3	711	2	AAZ24744 Aaz24744 Seq ID No
	701	16	59.3	714	2	AAQ12651 Aaq12651 CI857 Ser
c	702	16	59.3	735	10	ADE76297 Ade76297 Human BSK
c	703	16	59.3	739	6	ABT09092 Abt09092 Phase-1 R
c	704	16	59.3	739	10	ADG31028 Adg31028 Liver tox
c	705	16	59.3	739	12	ADG45678 Adg45678 Liver inf
c	706	16	59.3	739	12	ADH22955 Adh22955 Partial D
c	707	16	59.3	739	13	ADR91271 Adr91271 Spleen ne
	708	16	59.3	745	5	ADL62993 Adl62993 Human ova
	709	16	59.3	784	6	ABQ73932 Abq73932 TBD-cI re
c	710	16	59.3	791	6	ABQ68801 Abq68801 Listeria
c	711	16	59.3	817	4	AAH04213 Aah04213 Human cDN
	712	16	59.3	819	12	ADO62020 Ado62020 Transcrip
	713	16	59.3	820	4	AAI94616 Aai94616 Human neu
c	714	16	59.3	828	6	ABT07653 Abt07653 Human bre
c	715	16	59.3	842	2	AAZ96474 Aaz96474 S. pneumo
c	716	16	59.3	871	13	ADR73691 Adr73691 Rice prom
	717	16	59.3	872	3	AAA69473 Aaa69473 Enhanced
	718	16	59.3	872	6	ABK24113 Abk24113 Lambda eb
	719	16	59.3	872	6	ABL35716 Abl35716 cI857s7 m
	720	16	59.3	872	10	ABT33899 Abt33899 cI857s7 g
c	721	16	59.3	877	5	AAS79970 Aas79970 DNA encod
c	722	16	59.3	882	6	ABL90617 Abl90617 Human pol
c	723	16	59.3	888	8	ACF73539 Acf73539 Staphyloc
c	724	16	59.3	898	6	ABK95301 Abk95301 Human pro
c	725	16	59.3	899	1	AAN60854 Aan60854 Sequence
c	726	16	59.3	899	1	AAN70869 Aan70869 cIts vari
c	727	16	59.3	913	12	ADJ74357 Adj74357 Rat cDNA
c	728	16	59.3	915	9	ADA31669 Ada31669 DNA encod
	729	16	59.3	917	6	ABQ48075 Abq48075 Oligonucl
c	730	16	59.3	917	6	ABQ48074 Abq48074 Oligonucl
c	731	16	59.3	918	3	AAZ29295 Aaz29295 Partial B
c	732	16	59.3	924	4	AAH32207 Aah32207 Human olf
c	733	16	59.3	924	12	ADG76813 Adg76813 Human olf
c	734	16	59.3	937	4	AAH32204 Aah32204 Human olf
c	735	16	59.3	943	4	AAH32219 Aah32219 Human olf
c	736	16	59.3	945	4	AAH32221 Aah32221 Human olf
c	737	16	59.3	948	6	ABS64708 Abs64708 cDNA enco
c	738	16	59.3	956	4	AAK79485 Aak79485 Human imm
c	739	16	59.3	956	6	ABQ44188 Abq44188 Oligonucl
	740	16	59.3	956	6	ABQ44189 Abq44189 Oligonucl
c	741	16	59.3	960	9	ADA32229 Ada32229 DNA encod
	742	16	59.3	961	6	ABQ48541 Abq48541 Oligonucl
c	743	16	59.3	961	6	ABQ48540 Abq48540 Oligonucl
c	744	16	59.3	981	10	ADF00032 Adf00032 Bacterial
c	745	16	59.3	984	8	ABZ58945 Abz58945 Heat-indu
	746	16	59.3	987	6	ABN98493 Abn98493 Arabidops
c	747	15.8	58.5	65	6	ABN55604 Abn55604 Mouse spl
	748	15.8	58.5	70	2	AAQ62057 Aaq62057 Oligonucl
	749	15.8	58.5	71	2	AAQ77155 Aaq77155 Human gen
c	750	15.8	58.5	75	4	AAF70952 Aaf70952 bFGF DNA
	751	15.8	58.5	77	2	AAQ36750 Aaq36750 Sequence
	752	15.8	58.5	105	3	AAA81861 Aaa81861 N. mening
	753	15.8	58.5	105	3	AAC12384 Aac12384 Human sec
c	754	15.8	58.5	108	10	ABX06155 Abx06155 S. pneumo
c	755	15.8	58.5	122	8	ABZ09397 Abz09397 Human oli
c	756	15.8	58.5	122	10	ABZ78850 Abz78850 Tumour su
c	757	15.8	58.5	129	2	AAT21509 Aat21509 Human gen
	758	15.8	58.5	154	4	AAH72043 Aah72043 Human cer
c	759	15.8	58.5	162	12	ADG99699 Adg99699 Kidney di
c	760	15.8	58.5	171	3	AAC16940 Aac16940 Human sec
c	761	15.8	58.5	174	8	ABZ19894 Abz19894 Group III
	762	15.8	58.5	174	8	ABZ19803 Abz19803 Group III
c	763	15.8	58.5	184	3	AAC12647 Aac12647 Human sec
c	764	15.8	58.5	189	3	AAC29509 Aac29509 Human sec
	765	15.8	58.5	189	10	ADC92066 Adc92066 E. faeciu
	766	15.8	58.5	201	10	ADC91341 Adc91341 E. faeciu
	767	15.8	58.5	204	10	ABZ59043 Abz59043 Hypersens
	768	15.8	58.5	204	12	ADI58777 Adi58777 Hypersens
c	769	15.8	58.5	243	3	AAZ80257 Aaz80257 Human col
	770	15.8	58.5	248	6	ABN17585 Abn17585 Human ORF
	771	15.8	58.5	250	3	AAA82013 Aaa82013 N. mening
c	772	15.8	58.5	259	2	AAV88817 Aav88817 EST clone
c	773	15.8	58.5	259	12	ADH00159 Adh00159 Kidney di
c	774	15.8	58.5	261	8	ABZ20258 Abz20258 Group III
	775	15.8	58.5	265	8	ABZ20335 Abz20335 Group III
c	776	15.8	58.5	276	8	ACC60351 Acc60351 Rice leaf
c	777	15.8	58.5	279	2	AAT68015 Aat68015 H. pylori
c	778	15.8	58.5	282	4	AAK83081 Aak83081 Human imm
c	779	15.8	58.5	282	4	AAK83079 Aak83079 Human imm
c	780	15.8	58.5	284	8	ABZ18414 Abz18414 Group III
c	781	15.8	58.5	284	12	ADO20525 Ado20525 Human PRO
c	782	15.8	58.5	292	5	ABV04041 Abv04041 Human pro
	783	15.8	58.5	294	6	ABL84418 Abl84418 Human ova
	784	15.8	58.5	295	5	ABV09269 Abv09269 Human pro
	785	15.8	58.5	296	8	ABX48648 Abx48648 Bovine ES
c	786	15.8	58.5	297	6	ABN94910 Abn94910 Gene #140
	787	15.8	58.5	298	5	ABV14709 Abv14709 Human pro
	788	15.8	58.5	299	2	AAQ36746 Aaq36746 Sequence
	789	15.8	58.5	299	10	ADK11687 Adk11687 Breast ca
	790	15.8	58.5	302	10	ABX87366 Abx87366 Corn ear-
	791	15.8	58.5	316	10	ADK57507 Adk57507 Plant DNA
	792	15.8	58.5	316	10	ADK54135 Adk54135 Plant DNA
c	793	15.8	58.5	321	3	AAF11742 Aaf11742 Aspergill
	794	15.8	58.5	325	4	AAI27486 Aai27486 Probe #17
	795	15.8	58.5	325	4	ABA75800 Aba75800 Human foe
	796	15.8	58.5	325	4	AAI56456 Aai56456 Probe #25
	797	15.8	58.5	325	4	ABA40371 Aba40371 Probe #18
	798	15.8	58.5	325	4	AAK50473 Aak50473 Human bon
	799	15.8	58.5	325	4	AAK24484 Aak24484 Human bra
	800	15.8	58.5	325	4	ABS50096 Abs50096 Human liv
c	801	15.8	58.5	325	5	ABV34452 Abv34452 Human pro
c	802	15.8	58.5	325	5	ABV43310 Abv43310 Human pro
	803	15.8	58.5	325	6	ABS23945 Abs23945 Human gen
c	804	15.8	58.5	327	9	ACH13356 Ach13356 Human adu
c	805	15.8	58.5	330	4	AAI80270 Aai80270 Human pol
	806	15.8	58.5	330	6	ABL85411 Abl85411 Human ova
c	807	15.8	58.5	332	3	AAC25706 Aac25706 Human sec
	808	15.8	58.5	333	2	AAV87729 Aav87729 EST clone
	809	15.8	58.5	335	8	ABX52548 Abx52548 Bovine ES
c	810	15.8	58.5	340	8	ABX36332 Abx36332 Bovine ES
c	811	15.8	58.5	343	3	AAC04786 Aac04786 Human sec
c	812	15.8	58.5	346	2	AAT26128 Aat26128 Human gen
	813	15.8	58.5	346	9	ACH48880 Ach48880 Human leu
c	814	15.8	58.5	347	4	AAI82019 Aai82019 Human pol
	815	15.8	58.5	350	9	ACH33515 Ach33515 Human end
	816	15.8	58.5	350	12	ADL85961 Adl85961 DNA up-re
	817	15.8	58.5	350	12	ADL85960 Adl85960 DNA up-re
	818	15.8	58.5	350	12	ADO41082 Ado41082 Human cDN
	819	15.8	58.5	360	10	ADF66468 Adf66468 Human mic
	820	15.8	58.5	364	5	ABA12205 Aba12205 Human ner
c	821	15.8	58.5	365	2	AAX20819 Aax20819 Polynucle
	822	15.8	58.5	369	2	AAQ59839 Aaq59839 Human bra
c	823	15.8	58.5	372	6	ABL66803 Abl66803 Lung canc

c 824	15.8	58.5	372	6	ABN94143	Abn94143 Gene #641
825	15.8	58.5	373	2	AAQ59676	Aaq59676 Human bra
826	15.8	58.5	375	4	AAS39218	Aas39218 Novel hum
c 827	15.8	58.5	375	5	ABV13254	Abv13254 Human pro
828	15.8	58.5	378	6	ABL66870	Abl66870 Lung canc
829	15.8	58.5	381	4	AAI89411	Aai89411 Human pol
830	15.8	58.5	386	6	ABL66804	Abl66804 Lung canc
831	15.8	58.5	386	6	ABL62301	Abl62301 Colon ade
c 832	15.8	58.5	389	8	ABX98649	Abx98649 Rice leaf
c 833	15.8	58.5	391	9	ACH15985	Ach15985 Human adu
c 834	15.8	58.5	394	5	ABV04085	Abv04085 Human pro
835	15.8	58.5	394	9	ACH35196	Ach35196 Human end
836	15.8	58.5	396	10	ADD27218	Add27218 Human adi
c 837	15.8	58.5	398	3	AAC08993	Aac08993 Human sec
838	15.8	58.5	398	4	AAI93244	Aai93244 Human pol
c 839	15.8	58.5	398	5	ABV34373	Abv34373 Human pro
c 840	15.8	58.5	400	4	AAK61506	Aak61506 Human imm
841	15.8	58.5	400	5	ABV00100	Abv00100 Human pro
c 842	15.8	58.5	400	6	ABN94600	Abn94600 Gene #109
843	15.8	58.5	401	9	ACH35003	Ach35003 Human end
c 844	15.8	58.5	405	5	ABV13334	Abv13334 Human pro
c 845	15.8	58.5	405	8	ABX39464	Abx39464 Bovine ES
c 846	15.8	58.5	407	4	AAS28210	Aas28210 Genomic s
c 847	15.8	58.5	407	9	ACH31342	Ach31342 Human bon
c 848	15.8	58.5	407	10	ADG41406	Adg41406 Human res
c 849	15.8	58.5	407	11	ADI97180	Adi97180 Human res
c 850	15.8	58.5	408	4	AAI83647	Aai83647 Human pol
c 851	15.8	58.5	408	13	ACN54512	Acn54512 Cotton an
c 852	15.8	58.5	411	2	AAT67470	Aat67470 H. pylori
853	15.8	58.5	412	3	AAC06740	Aac06740 Human sec
854	15.8	58.5	412	8	ACA15057	Aca15057 Prokaryot
c 855	15.8	58.5	412	9	ACC59813	Acc59813 Rice endo
c 856	15.8	58.5	412	9	ACH15634	Ach15634 Human adu
857	15.8	58.5	413	5	ABV12167	Abv12167 Human pro
c 858	15.8	58.5	414	3	AAC53918	Aac53918 Arabidops
c 859	15.8	58.5	414	4	AAI81285	Aai81285 Human pol
860	15.8	58.5	414	6	ABL81407	Abl81407 Human ova
861	15.8	58.5	416	4	AAI93314	Aai93314 Human pol
c 862	15.8	58.5	416	5	ABV13210	Abv13210 Human pro
863	15.8	58.5	416	9	ACH32974	Ach32974 Human end
c 864	15.8	58.5	417	8	ABX48630	Abx48630 Bovine ES
c 865	15.8	58.5	423	5	ADI70187	Adi70187 Human ova
c 866	15.8	58.5	423	5	ADI76516	Adi76516 Human ova
c 867	15.8	58.5	424	3	AAC05738	Aac05738 Human sec
868	15.8	58.5	425	6	ABL84523	Abl84523 Human ova
869	15.8	58.5	425	8	ABX65354	Abx65354 Human gen
870	15.8	58.5	425	9	ACH17731	Ach17731 Human adu
c 871	15.8	58.5	426	4	AAI89687	Aai89687 Human pol
872	15.8	58.5	427	5	ABA17096	Aba17096 Human ner
873	15.8	58.5	427	6	ABL62769	Abl62769 Breast ca
874	15.8	58.5	427	9	ACH48548	Ach48548 Human leu
c 875	15.8	58.5	427	9	ACH47320	Ach47320 Human inf
876	15.8	58.5	429	4	ABL04639	Abl04639 Drosophil
877	15.8	58.5	429	5	ABV46777	Abv46777 Human pro
878	15.8	58.5	429	8	ABZ18571	Abz18571 Group III
c 879	15.8	58.5	431	6	ABQ56647	Abq56647 Human col
c 880	15.8	58.5	431	8	ABX39452	Abx39452 Bovine ES
c 881	15.8	58.5	431	10	ADF81349	Adf81349 Leukaemia
882	15.8	58.5	433	4	AAK88262	Aak88262 Human dig
883	15.8	58.5	433	4	AAH69172	Aah69172 Human cer
884	15.8	58.5	433	5	AAS39414	Aas39414 cDNA enco
c 885	15.8	58.5	433	6	ABA01720	Aba01720 Apple chl
886	15.8	58.5	433	8	ABX61977	Abx61977 Arabidops
887	15.8	58.5	433	9	ADB32140	Adb32140 Human nov
c 888	15.8	58.5	434	6	ABA01726	Aba01726 Apple chl
c 889	15.8	58.5	434	6	ABA01722	Aba01722 Apple chl
c 890	15.8	58.5	435	5	ABV34329	Abv34329 Human pro
c 891	15.8	58.5	435	6	ABA01724	Aba01724 Apple chl
c 892	15.8	58.5	435	8	ABX41978	Abx41978 Bovine ES
893	15.8	58.5	435	11	ADT97532	Adt97532 Colon can
c 894	15.8	58.5	437	4	AAL16436	Aal16436 Human bre
c 895	15.8	58.5	438	9	ACH49837	Ach49837 Human leu
896	15.8	58.5	438	10	ACF68850	Acf68850 Photorhab
897	15.8	58.5	439	6	ABL94174	Abl94174 Arabidops
898	15.8	58.5	440	10	ADK56739	Adk56739 Plant DNA
899	15.8	58.5	440	11	ADT96746	Adt96746 Colon can
900	15.8	58.5	442	5	ABA19424	Aba19424 Human ner
901	15.8	58.5	442	5	ABA19423	Aba19423 Human ner
c 902	15.8	58.5	443	4	AAI12112	Aai12112 Probe #20
c 903	15.8	58.5	443	4	ABA53817	Aba53817 Human foe
c 904	15.8	58.5	443	4	AAI33453	Aai33453 Probe #21
c 905	15.8	58.5	443	4	ABA43374	Aba43374 Human bre
c 906	15.8	58.5	443	4	ABA23566	Aba23566 Probe #20
c 907	15.8	58.5	443	4	AAK27533	Aak27533 Human bon
c 908	15.8	58.5	443	4	AAK02079	Aak02079 Human bra
c 909	15.8	58.5	443	4	ABS27101	Abs27101 Human liv
c 910	15.8	58.5	443	5	AAI02033	Aai02033 Probe #20
c 911	15.8	58.5	443	6	ABS02010	Abs02010 Human gen
912	15.8	58.5	444	4	AAK84523	Aak84523 Human imm
c 913	15.8	58.5	445	9	ACH25166	Ach25166 Human adu
914	15.8	58.5	446	4	AAH34044	Aah34044 Human col
915	15.8	58.5	446	11	ADT94728	Adt94728 Colon can
916	15.8	58.5	451	4	AAK90084	Aak90084 Human dig
917	15.8	58.5	451	4	AAK86650	Aak86650 Human imm
918	15.8	58.5	451	4	AAK86658	Aak86658 Human imm
919	15.8	58.5	451	5	AAS39743	Aas39743 Genomic s
920	15.8	58.5	451	9	ADB32703	Adb32703 Human nov
c 921	15.8	58.5	455	6	ABL67458	Abl67458 Thyroid c
922	15.8	58.5	459	5	ABV44587	Abv44587 Human pro
923	15.8	58.5	459	5	ABV35787	Abv35787 Human pro
924	15.8	58.5	462	5	ABV33312	Abv33312 Human pro
925	15.8	58.5	462	5	ABV42001	Abv42001 Human pro
926	15.8	58.5	462	5	ABV42235	Abv42235 Human pro
927	15.8	58.5	463	13	ADR63506	Adr63506 Cotton cD
928	15.8	58.5	465	6	ABK62875	Abk62875 Rat seque
929	15.8	58.5	466	5	AAS68286	Aas68286 DNA encod
930	15.8	58.5	466	6	ABK54855	Abk54855 Human col
c 931	15.8	58.5	471	5	ABV55360	Abv55360 Human pro
932	15.8	58.5	471	10	ADE61393	Ade61393 Rat gene
933	15.8	58.5	471	10	ADE61397	Ade61397 Rat gene
c 934	15.8	58.5	472	6	ABL93387	Abl93387 Arabidops
c 935	15.8	58.5	473	8	ACC60011	Acc60011 Rice leaf
c 936	15.8	58.5	476	5	AAS82038	Aas82038 DNA encod
c 937	15.8	58.5	476	6	ABZ16680	Abz16680 Arabidops
938	15.8	58.5	476	12	ADQ24535	Adq24535 Human sof
939	15.8	58.5	477	13	ACN47542	Acn47542 Cotton pr
c 940	15.8	58.5	478	9	ACH17652	Ach17652 Human adu
c 941	15.8	58.5	478	9	ACH26416	Ach26416 Human adu
c 942	15.8	58.5	480	4	AAL35603	Aal35603 Human mus
c 943	15.8	58.5	480	8	ABX58591	Abx58591 cDNA enco
c 944	15.8	58.5	480	12	ADJ28318	Adj28318 Human mus
c 945	15.8	58.5	481	6	ABL77600	Abl77600 Human ova
c 946	15.8	58.5	482	3	AAD00751	Aad00751 Mouse Act
c 947	15.8	58.5	482	5	AAS34228	Aas34228 Human cDN
948	15.8	58.5	483	13	ACN56908	Acn56908 Cotton gy
c 949	15.8	58.5	484	3	ADF56988	Adf56988 Urogenita
c 950	15.8	58.5	486	3	AAC52325	Aac52325 Arabidops
c 951	15.8	58.5	487	2	AAV75335	Aav75335 Staphyloc
952	15.8	58.5	487	8	ABZ54689	Abz54689 Aspergill
953	15.8	58.5	488	5	ABV54251	Abv54251 Human pro
c 954	15.8	58.5	493	9	ACH39784	Ach39784 Human foe
c 955	15.8	58.5	494	6	ABN62647	Abn62647 Human can
956	15.8	58.5	494	10	ADF80230	Adf80230 Leukaemia
c 957	15.8	58.5	498	13	ACN51643	Acn51643 Cotton an
c 958	15.8	58.5	500	3	AAC94325	Aac94325 Cat flea
c 959	15.8	58.5	500	4	AAI88164	Aai88164 Human pol
c 960	15.8	58.5	500	6	ABQ20864	Abq20864 Oligonucl
961	15.8	58.5	500	6	ABQ20865	Abq20865 Oligonucl
c 962	15.8	58.5	500	10	ADC32528	Adc32528 Human nov
963	15.8	58.5	503	2	AAV60058	Aav60058 Nucleic a
964	15.8	58.5	504	6	ABQ34885	Abq34885 Oligonucl
c 965	15.8	58.5	504	6	ABQ34884	Abq34884 Oligonucl
966	15.8	58.5	504	13	ACN47885	Acn47885 Cotton pr
c 967	15.8	58.5	505	6	ABQ19232	Abq19232 Oligonucl
968	15.8	58.5	505	6	ABQ19233	Abq19233 Oligonucl
c 969	15.8	58.5	505	12	ADL88260	Adl88260 DNA up-re

c 970	15.8	58.5	505	12	ADL88259	Adl88259 DNA up-re
971	15.8	58.5	508	6	ABQ14269	Abq14269 Oligonucl
c 972	15.8	58.5	508	6	ABQ14268	Abq14268 Oligonucl
973	15.8	58.5	509	6	ABQ14207	Abq14207 Oligonucl
974	15.8	58.5	509	6	ABQ53237	Abq53237 Oligonucl
c 975	15.8	58.5	509	6	ABQ14206	Abq14206 Oligonucl
c 976	15.8	58.5	509	6	ABQ53236	Abq53236 Oligonucl
c 977	15.8	58.5	509	8	ACA05132	Aca05132 Rice leaf
978	15.8	58.5	511	5	ADL39710	Adl39710 Human ova
c 979	15.8	58.5	515	5	ADL41752	Adl41752 Human ova
980	15.8	58.5	516	5	ABV55383	Abv55383 Human pro
981	15.8	58.5	516	6	ABK33257	Abk33257 Porcine p
c 982	15.8	58.5	518	4	AAK78474	Aak78474 Human imm
c 983	15.8	58.5	520	4	AAK60761	Aak60761 Human imm
984	15.8	58.5	520	6	ABQ41359	Abq41359 Oligonucl
c 985	15.8	58.5	520	6	ABQ41358	Abq41358 Oligonucl
986	15.8	58.5	521	6	ABQ88145	Abq88145 Human ost
c 987	15.8	58.5	521	8	ACC55248	Acc55248 Rice endo
c 988	15.8	58.5	522	8	ACC60047	Acc60047 Rice leaf
c 989	15.8	58.5	523	4	AAK92931	Aak92931 Human cDN
c 990	15.8	58.5	523	12	ADL29358	Adl29358 3' end of
c 991	15.8	58.5	524	8	ABZ54403	Abz54403 Aspergill
992	15.8	58.5	524	10	ABX60992	Abx60992 Arabidops
993	15.8	58.5	524	10	ABX57604	Abx57604 Arabidops
c 994	15.8	58.5	525	3	AAA82202	Aaa82202 N. mening
995	15.8	58.5	525	10	ADB57248	Adb57248 Toxicity-
996	15.8	58.5	525	10	ADB51796	Adb51796 Primary r
c 997	15.8	58.5	526	6	ABL82595	Abl82595 Human ova
c 998	15.8	58.5	527	6	ABQ33562	Abq33562 Oligonucl
999	15.8	58.5	527	6	ABQ33563	Abq33563 Oligonucl
1000	15.8	58.5	527	13	ACN58452	Acn58452 Cotton gy

ALIGNMENTS

RESULT 1
ADD28214
ID ADD28214 standard; DNA; 27 BP.
XX
AC ADD28214;
XX
DT 15-JAN-2004 (first entry)
XX
DE E. coli-specific probe #1 used in detection method.
XX
KW Escherichia coli detection; microorganism; water sample; food sample;
KW biological specimen; E. coli detection; probe; ss.
XX
OS Escherichia coli.
XX
PN US2003113731-A1.
XX
PD 19-JUN-2003.
XX
PF 19-DEC-2001; 2001US-00025137.
XX
PR 19-DEC-2001; 2001US-00025137.
XX
PA (LIUL/) LIU L.
PA (CHUN/) CHUNG T.
PA (TERN/) TERNG H.
XX
PI Liu L, Chung T, Terng H;
XX
DR WPI; 2003-810889/76.
XX
PT Detecting Escherichia coli in water sample, food sample or biological
PT sample by amplifying the nucleic acid from the microorganism, and
PT detecting the amplification product.
XX
PS Claim 15; Page 2; 9pp; English.
XX
CC The present invention relates to a method for detecting Escherichia coli.
CC The method involves providing a sample having a nucleic acid from an
CC unknown microorganism, amplifying the nucleic acid with an upstream
CC primer and a down stream primer, each primer being 18-40 nucleotides in
CC length and detecting an amplification product, where detection of the
CC amplification product indicates the presence of E. coli. The invention
CC also discloses E. coli-specific probes. The method of the invention is
CC useful for detecting E. coli in water samples, food samples or biological
CC specimens such as a specimen from a patient. The method is a fast,
CC accurate, and sensitive method for E. coli detection. The present
CC sequence represents an E. coli-specific probe used in the method of the
CC invention.
XX
SQ Sequence 27 BP; 16 A; 6 C; 2 G; 3 T; 0 U; 0 Other;

Query Match 100.0%; Score 27; DB 10; Length 27;
Best Local Similarity 100.0%; Pred. No. 0.37;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 AATACATAACAGAAACCTGAAACACAA 27
||||||||||||||||||||||||||||
Db 1 AATACATAACAGAAACCTGAAACACAA 27

RESULT 2
ADI45541/c
ID ADI45541 standard; cDNA; 731 BP.
XX
AC ADI45541;
XX
DT 22-APR-2004 (first entry)
XX
DE Wheat isoprenoid biosynthesis-associated cDNA #1.
XX
KW Wheat; isoprenoid biosynthesis; ss; plant; isopentenyl diphosphate; IPP;
KW dimethylallyl alcohol; DMAPP; short-chain plastid prenyltransferase;
KW gibberellin; carotenoid; abscisic acid; tocopherol; plastoquinone;
KW phylloquinone; mevalonate pathway; phytosterol; brassinosteroid;
KW ubiquinone; monterpene; sesquiterpene; protein prenylation; chlorophyll;
KW haeme; yield.
XX
OS Triticum aestivum.
XX
PN US2004010815-A1.
XX
PD 15-JAN-2004.
XX
PF 26-SEP-2002; 2002US-00259194.
XX
PR 26-SEP-2001; 2001US-0325277P.
PR 04-APR-2002; 2002US-0370620P.
PR 04-APR-2002; 2002US-0370743P.
XX
PA (LANG/) LANGE B M.
PA (GHAS/) GHASSEMIAN M.
PA (BRIG/) BRIGGS S P.
PA (COOP/) COOPER B.
PA (GLAZ/) GLAZEBROOK J.
PA (GOFF/) GOFF S A.
PA (KATA/) KATAGIRI F.
PA (KREP/) KREPS J.
PA (MOUG/) MOUGHAMER T.
PA (PROV/) PROVART N.
PA (RICK/) RICKE D.
PA (ZHUT/) ZHU T.
XX
PI Lange BM, Ghassemian M, Briggs SP, Cooper B, Glazebrook J;
PI Goff SA, Katagiri F, Kreps J, Moughamer T, Provart N, Ricke D;
PI Zhu T;
XX
DR WPI; 2004-090562/09.
XX
PT New isolated polynucleotides and polypeptides associated with isoprenoid

OM nucleic - nucleic search, using sw model

Run on: April 16, 2005, 01:17:12 ; Search time 1767.36 Seconds
(without alignments)
581.507 Million cell updates/sec

Title: US-10-025-137B-5
Perfect score: 27
Sequence: 1 aatacataacagaaacctgaaacacaa 27

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 34239544 seqs, 19032134700 residues

Total number of hits satisfying chosen parameters: 66303546

Minimum DB seq length: 0
Maximum DB seq length: 1000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database : EST:*
1: gb_est1:*
2: gb_est2:*
3: gb_htc:*
4: gb_est3:*
5: gb_est4:*
6: gb_est5:*
7: gb_est6:*
8: gb_gss1:*
9: gb_gss2:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
c	1	27	100.0	745	9	CL678320	CL678320 PRI0122c_
c	2	21.4	79.3	797	9	CG150839	CG150839 PUIDD53TD
c	3	21.2	78.5	275	6	CD908770	CD908770 G468.110O
	4	21.2	78.5	319	1	AU286803	AU286803 AU286803
	5	21.2	78.5	599	8	AQ309827	AQ309827 CIT-HSP-2
c	6	21.2	78.5	636	8	BH257959	BH257959 CH230-283
	7	21.2	78.5	721	9	AG387358	Mus muscu
c	8	20.8	77.0	325	1	AA485685	AA485685 zx91d04.s
	9	20.6	76.3	220	4	BJ670037	BJ670037 BJ670037
c	10	20.6	76.3	220	4	BJ679106	BJ679106 BJ679106
	11	20.6	76.3	379	5	BY029187	BY029187 BY029187
	12	20.6	76.3	385	5	BY022649	BY022649 BY022649
c	13	20.6	76.3	420	1	AA937850	nw90a05.s
c	14	20.6	76.3	440	9	AL949237	AL949237 Arabidops
c	15	20.6	76.3	445	9	AL949238	AL949238 Arabidops
	16	20.6	76.3	554	5	BP259313	BP259313 BP259313
c	17	20.6	76.3	621	7	CV170255	CV170255 rsmsxl_01
	18	20.6	76.3	681	1	AL037659	AL037659 DKFZp564N
	19	20.6	76.3	709	9	CR322359	CR322359 Medicago
	20	20.6	76.3	823	1	AV755660	AV755660 AV755660
c	21	20.6	76.3	874	8	CC186025	CC186025 CH261-113
c	22	20.4	75.6	953	6	CA476922	CA476922 AGENCOURT
c	23	20.2	74.8	286	8	AQ564840	AQ564840 HS_5361_A
c	24	20.2	74.8	321	8	AQ961940	AQ961940 LERGC27TF
	25	20.2	74.8	376	8	B45274	B45274 HS-1060-B2-
c	26	20.2	74.8	419	8	AQ996349	AQ996349 RPCI-23-2
	27	20.2	74.8	446	8	AQ038662	AQ038662 CIT-HSP-2
	28	20.2	74.8	601	2	BE148753	BE148753 CM2-HT024
	29	20.2	74.8	619	8	AQ961941	AQ961941 LERGC27TR
	30	20.2	74.8	624	2	BE148752	BE148752 CM2-HT024
	31	20.2	74.8	736	8	BZ606500	BZ606500 WHABT85TR
	32	20.2	74.8	761	9	CE263641	CE263641 tigr-gss-
	33	19.8	73.3	369	8	B99515	B99515 CIT-HSP-228
c	34	19.8	73.3	405	8	AQ128779	AQ128779 HS_3030_A
	35	19.8	73.3	590	6	CB091525	CB091525 he93d02.g
	36	19.8	73.3	653	9	CR271954	CR271954 Reverse s
	37	19.8	73.3	672	9	CL930643	CL930643 OA_ABa003
c	38	19.8	73.3	699	6	BY758439	BY758439 BY758439
c	39	19.6	72.6	212	8	B32068	B32068 HS-1014-B1-
c	40	19.6	72.6	255	7	CK875354	CK875354 SGP136585
	41	19.6	72.6	296	2	BF560282	BF560282 UI-R-E1-g
c	42	19.6	72.6	336	9	CNS00MPQ	AL080924 Arabidops
c	43	19.6	72.6	348	7	CV399053	CV399053 QV4-CT049
c	44	19.6	72.6	355	5	BU029896	BU029896 QHJ13C06.
c	45	19.6	72.6	356	5	BU033474	BU033474 QHJ24E10.
	46	19.6	72.6	362	5	BX617192	BX617192 BX617192
	47	19.6	72.6	368	9	AG262093	AG262093 Lotus cor
	48	19.6	72.6	382	5	BU550531	BU550531 GM880020A
c	49	19.6	72.6	404	5	BU034690	BU034690 QHJ4N20.y
c	50	19.6	72.6	418	2	BE555781	BE555781 sp93g10.y
	51	19.6	72.6	418	8	AZ172619	AZ172619 SP_0122_B
c	52	19.6	72.6	474	4	BM688299	BM688299 UI-E-CL0-
	53	19.6	72.6	480	1	AA457018	AA457018 aa38a05.s
c	54	19.6	72.6	489	2	AW842784	AW842784 MR2-CN003
	55	19.6	72.6	502	2	AW843105	AW843105 MR2-CN003
c	56	19.6	72.6	515	1	AJ676189	AJ676189 AJ676189
c	57	19.6	72.6	521	9	CE283545	CE283545 tigr-gss-
	58	19.6	72.6	535	6	CB308593	CB308593 AGENCOURT
	59	19.6	72.6	539	9	CG136982	CG136982 PUFRB83TB
	60	19.6	72.6	540	8	AZ098882	AZ098882 RPCI-23-4
c	61	19.6	72.6	546	9	CG136983	CG136983 PUFRB83TD
	62	19.6	72.6	548	4	BM080253	BM080253 MEST106-B
	63	19.6	72.6	551	4	BM641687	BM641687 170006873
c	64	19.6	72.6	571	7	CR526492	CR526492 CR526492
	65	19.6	72.6	577	8	AZ098880	AZ098880 RPCI-23-4
	66	19.6	72.6	582	5	BP307543	BP307543 BP307543
	67	19.6	72.6	582	5	BP329064	BP329064 BP329064
c	68	19.6	72.6	582	9	CL561168	CL561168 OB__Ba001
	69	19.6	72.6	595	6	CA056071	CA056071 ssalrgb50
c	70	19.6	72.6	605	9	CR485414	CR485414 Medicago
c	71	19.6	72.6	606	9	CL382756	CL382756 RPCI44_32
	72	19.6	72.6	612	5	BQ539119	BQ539119 MEST611-B
c	73	19.6	72.6	617	5	BX319776	BX319776 BX319776
c	74	19.6	72.6	665	5	BX320924	BX320924 BX320924
	75	19.6	72.6	679	2	AW349888	AW349888 GM210006A
	76	19.6	72.6	692	4	BM631016	BM631016 170006875
c	77	19.6	72.6	694	9	CE575098	CE575098 tigr-gss-
c	78	19.6	72.6	698	5	BU016251	BU016251 QHE12I22.
	79	19.6	72.6	712	4	BJ026960	BJ026960 BJ026960
c	80	19.6	72.6	715	8	BH534895	BH534895 BOGQB43TR
	81	19.6	72.6	726	9	CE132344	CE132344 tigr-gss-
	82	19.6	72.6	744	9	CR033221	CR033221 Reverse s
c	83	19.6	72.6	764	5	BU016722	BU016722 QHE13N11.
	84	19.6	72.6	780	8	CC316665	CC316665 TAM32-10D
	85	19.6	72.6	833	9	CR008213	CR008213 Reverse s
c	86	19.6	72.6	856	8	BZ142986	BZ142986 CH230-367
	87	19.6	72.6	879	8	CC421137	CC421137 PUHPX83TB
c	88	19.6	72.6	890	8	CC421140	CC421140 PUHPX83TD
	89	19.6	72.6	900	9	CC716511	CC716511 OGNAG67TH
c	90	19.6	72.6	901	9	CC716519	CC716519 OGNAG67TV
	91	19.6	72.6	908	2	BF263058	BF263058 HV_CEa000
	92	19.6	72.6	921	9	CG033376	CG033376 PUFUL09TD
	93	19.6	72.6	929	9	CG824404	CG824404 SOYCA50TH
c	94	19.6	72.6	973	9	CG033373	CG033373 PUFUL09TB
	95	19.6	72.6	980	4	BG481638	BG481638 602528363
c	96	19.4	71.9	94	8	BH618887	BH618887 SALK_0399
c	97	19.4	71.9	221	1	AV369162	AV369162 AV369162

c	98	19.2	71.1	182	8	BH860901	BH860901 Gm_SIUb00
	99	19.2	71.1	212	6	CB089481	CB089481 gp24b12.g
c	100	19.2	71.1	309	7	CK403426	CK403426 AUF_IfHdk
c	101	19.2	71.1	349	9	AG253742	AG253742 Lotus cor
	102	19.2	71.1	380	5	BY430704	BY430704 BY430704
	103	19.2	71.1	384	5	BY430696	BY430696 BY430696
c	104	19.2	71.1	395	1	AU241201	AU241201 AU241201
	105	19.2	71.1	433	8	AQ207604	AQ207604 HS_2243_B
	106	19.2	71.1	460	1	AI159070	AI159070 vz84h03.r
c	107	19.2	71.1	472	8	BH116398	BH116398 RPCI-24-3
	108	19.2	71.1	473	1	AI444167	AI444167 fb43b01.y
	109	19.2	71.1	489	6	CB091501	CB091501 he93a12.g
	110	19.2	71.1	496	6	CB091416	CB091416 he92b02.g
	111	19.2	71.1	517	6	CB091773	CB091773 he96c11.g
	112	19.2	71.1	521	6	CB089382	CB089382 gp22h10.g
	113	19.2	71.1	527	9	AG232387	AG232387 Lotus cor
	114	19.2	71.1	531	5	BX513577	BX513577 BX513577
	115	19.2	71.1	535	6	CB090887	CB090887 gy81g02.g
c	116	19.2	71.1	536	9	AG253296	AG253296 Lotus cor
	117	19.2	71.1	540	5	BU595807	BU595807 AGENCOURT
	118	19.2	71.1	545	4	BG538487	BG538487 602567208
c	119	19.2	71.1	553	9	CW517085	CW517085 OP__Ba002
	120	19.2	71.1	568	6	CB093226	CB093226 te81h08.b
c	121	19.2	71.1	572	7	CF809766	CF809766 Lr_LC1ED_
c	122	19.2	71.1	581	5	BP270354	BP270354 BP270354
c	123	19.2	71.1	582	5	BP270363	BP270363 BP270363
	124	19.2	71.1	582	6	CB090830	CB090830 gy81a05.g
	125	19.2	71.1	582	7	CF393919	CF393919 RTDS2_2_B
c	126	19.2	71.1	583	5	BP270036	BP270036 BP270036
c	127	19.2	71.1	584	5	BP270394	BP270394 BP270394
	128	19.2	71.1	591	4	BJ077127	BJ077127 BJ077127
	129	19.2	71.1	591	6	CB090497	CB090497 gy76b08.g
	130	19.2	71.1	594	6	CB092244	CB092244 hf03b02.g
	131	19.2	71.1	602	9	CE554943	CE554943 tigr-gss-
	132	19.2	71.1	604	6	CB091202	CB091202 he89f03.g
	133	19.2	71.1	606	6	CB090728	CB090728 gy79f04.g
	134	19.2	71.1	612	6	CB091741	CB091741 he95h12.g
c	135	19.2	71.1	615	9	AG226654	AG226654 Lotus cor
	136	19.2	71.1	617	6	CB089919	CB089919 gp32a07.g
	137	19.2	71.1	617	6	CB091161	CB091161 he89b08.g
	138	19.2	71.1	623	6	CB485527	CB485527 otshchmh0
	139	19.2	71.1	624	6	CA059746	CA059746 ssalrgb52
	140	19.2	71.1	627	6	CB090428	CB090428 gy75b08.g
c	141	19.2	71.1	642	8	BH426234	BH426234 BOGIA27TF
	142	19.2	71.1	643	6	CB091567	CB091567 he93h09.g
c	143	19.2	71.1	646	1	AI541298	AI541298 pec1.2-4.
	144	19.2	71.1	648	6	CB090405	CB090405 gy74g10.g
	145	19.2	71.1	652	6	CB093055	CB093055 hk41h12.g
	146	19.2	71.1	675	9	CE021303	CE021303 tigr-gss-
	147	19.2	71.1	697	2	BE781888	BE781888 601470241
	148	19.2	71.1	699	5	BQ014372	BQ014372 UI-H-ED1-
c	149	19.2	71.1	722	9	CG819472	CG819472 SOYES63TH
	150	19.2	71.1	733	9	CC587766	CC587766 CH240_385
	151	19.2	71.1	746	6	CA582372	CA582372 EST002047
c	152	19.2	71.1	746	9	CG819478	CG819478 SOYED79TH
	153	19.2	71.1	748	8	BZ041777	BZ041777 llq91f12.
c	154	19.2	71.1	765	8	AQ255622	AQ255622 nbxb0012E
c	155	19.2	71.1	768	9	CL748171	CL748171 OR_BBa011
c	156	19.2	71.1	781	9	AG495179	AG495179 Mus muscu
	157	19.2	71.1	784	8	BH034387	BH034387 RPCI-24-3
	158	19.2	71.1	814	8	BZ449034	BZ449034 BONFX66TR
	159	19.2	71.1	829	6	CB512318	CB512318 ssalrgb55
c	160	19.2	71.1	839	8	BH431650	BH431650 BOGHX71TR
	161	19.2	71.1	874	4	BJ741897	BJ741897 BJ741897
	162	19.2	71.1	964	4	BI767466	BI767466 603057329
c	163	19	70.4	123	8	B59336	B59336 CIT-HSP-201
	164	19	70.4	125	4	BM741564	BM741564 K-EST0014
	165	19	70.4	160	5	BU603920	BU603920 AGENCOURT
	166	19	70.4	177	1	AI334547	AI334547 tb65e12.x
c	167	19	70.4	193	1	AI000232	AI000232 ot04b12.s
c	168	19	70.4	201	1	AA664164	AA664164 ac04g01.s
c	169	19	70.4	215	6	CA802940	CA802940 sau44f01.
c	170	19	70.4	224	2	BE065806	BE065806 RC2-BT031
	171	19	70.4	234	1	AI619256	AI619256 486088F07
c	172	19	70.4	235	1	AV366957	AV366957 AV366957
c	173	19	70.4	240	2	BB169959	BB169959 BB169959
	174	19	70.4	246	2	AW024051	AW024051 df64g12.y
c	175	19	70.4	251	1	AI080029	AI080029 oz50g03.x
	176	19	70.4	251	9	CE794851	CE794851 tigr-gss-
c	177	19	70.4	253	2	BB425902	BB425902 BB425902
	178	19	70.4	255	6	CD679162	CD679162 hq05h08.y
	179	19	70.4	264	6	CB985580	CB985580 AGENCOURT
c	180	19	70.4	265	1	AV350886	AV350886 AV350886
c	181	19	70.4	268	8	AZ857030	AZ857030 2M0161K07
	182	19	70.4	272	9	CG955324	CG955324 MBEBO26TR
c	183	19	70.4	279	1	AV222562	AV222562 AV222562
c	184	19	70.4	284	2	BB079988	BB079988 BB079988
c	185	19	70.4	286	2	BB092316	BB092316 BB092316
	186	19	70.4	287	7	CN266963	CN266963 170004245
c	187	19	70.4	300	2	BB240628	BB240628 BB240628
c	188	19	70.4	305	2	BB240627	BB240627 BB240627
c	189	19	70.4	306	1	AV047058	AV047058 AV047058
	190	19	70.4	306	2	BF367208	BF367208 RC3-GN002
c	191	19	70.4	306	5	BM988970	BM988970 UI-H-DI0-
c	192	19	70.4	307	6	CA442656	CA442656 UI-H-DI0-
	193	19	70.4	309	1	AA649612	AA649612 ns46b08.s
c	194	19	70.4	311	2	BB102194	BB102194 BB102194
c	195	19	70.4	311	2	BB239333	BB239333 BB239333
	196	19	70.4	311	5	BP049481	BP049481 BP049481
c	197	19	70.4	317	6	CA313368	CA313368 UI-CF-FN0
c	198	19	70.4	319	9	AG224197	AG224197 Lotus cor
c	199	19	70.4	320	2	AW972213	AW972213 EST384302
	200	19	70.4	327	5	BP072323	BP072323 BP072323
c	201	19	70.4	329	5	BM971143	BM971143 UI-CF-DU1
	202	19	70.4	329	6	CB470868	CB470868 sn30_B12.
	203	19	70.4	330	7	CF360265	CF360265 821582 MA
c	204	19	70.4	340	6	CB306733	CB306733 UI-CF-FN0
	205	19	70.4	347	7	CN266955	CN266955 170004241
	206	19	70.4	354	4	BJ017759	BJ017759 BJ017759
c	207	19	70.4	356	5	BQ988420	BQ988420 QGF14O01.
c	208	19	70.4	360	5	BX735644	BX735644 BX735644
c	209	19	70.4	365	6	CF009040	CF009040 QBJ17d06.
c	210	19	70.4	366	5	BQ982486	BQ982486 QGE16J06.
	211	19	70.4	372	1	AA528613	AA528613 nf02d10.s
c	212	19	70.4	372	5	BY408817	BY408817 BY408817
c	213	19	70.4	373	6	CA434823	CA434823 UI-H-DH0-
	214	19	70.4	374	5	BP049689	BP049689 BP049689
c	215	19	70.4	375	2	BE233776	BE233776 140242 MA
c	216	19	70.4	379	2	BB332600	BB332600 BB332600
c	217	19	70.4	380	8	B56967	B56967 CIT-HSP-200
c	218	19	70.4	381	6	BY672815	BY672815 BY672815
c	219	19	70.4	382	2	AW316224	AW316224 14426 MAR
	220	19	70.4	384	1	AJ574168	AJ574168 AJ574168
c	221	19	70.4	384	5	BY504428	BY504428 BY504428
	222	19	70.4	390	1	AV775871	AV775871 AV775871
c	223	19	70.4	390	2	BB685207	BB685207 BB685207
c	224	19	70.4	390	6	BY672069	BY672069 BY672069
c	225	19	70.4	390	7	W46620	W46620 zc33c02.s1
	226	19	70.4	395	4	BG205547	BG205547 RST24926
c	227	19	70.4	398	8	AZ903999	AZ903999 RPCI-24-1
c	228	19	70.4	399	6	CA313824	CA313824 UI-CF-FN0
	229	19	70.4	399	7	F27412	F27412 HSPD15347 H
c	230	19	70.4	406	4	BM664108	BM664108 UI-E-CK1-
c	231	19	70.4	408	2	BB668190	BB668190 BB668190
c	232	19	70.4	413	4	BM359863	BM359863 GA__Ea002
	233	19	70.4	413	7	CN802128	CN802128 ILLUMIGEN
	234	19	70.4	414	7	CN646983	CN646983 ILLUMIGEN
	235	19	70.4	414	8	BZ850621	BZ850621 CH240_242
c	236	19	70.4	415	1	AA634405	AA634405 zu79d09.s
	237	19	70.4	415	7	F25628	F25628 HSPD12752 H
c	238	19	70.4	415	8	AQ136077	AQ136077 HS_3062_A
	239	19	70.4	416	7	CF129613	CF129613 UI-HF-ES0
c	240	19	70.4	418	8	AQ395297	AQ395297 CITBI-E1-
c	241	19	70.4	419	1	AI090452	AI090452 qa64a12.x
	242	19	70.4	422	6	CD679474	CD679474 hq11d02.y
	243	19	70.4	423	7	F32790	F32790 HSPD25819 H

c 244	19	70.4	423	8	BH335213	BH335213	CH230-110
245	19	70.4	425	5	BP667024	BP667024	BP667024
246	19	70.4	429	7	CF129878	CF129878	UI-HF-ES0
c 247	19	70.4	431	1	AA846444	AA846444	ai85d08.s
248	19	70.4	431	3	AK037428	AK037428	Mus muscu
c 249	19	70.4	432	1	AA558281	AA558281	nl54a03.s
c 250	19	70.4	432	5	BU013779	BU013779	QGJ5J06.y
c 251	19	70.4	433	1	AI279753	AI279753	qn28b03.x
c 252	19	70.4	434	1	AA879184	AA879184	nw85a02.s
c 253	19	70.4	435	1	AA843328	AA843328	aj12e01.s
254	19	70.4	435	6	CB475161	CB475161	jns104_A0
c 255	19	70.4	437	1	AI079418	AI079418	oz68a09.x
c 256	19	70.4	437	1	AI168026	AI168026	oz92f05.x
257	19	70.4	440	1	AI851499	AI851499	UI-M-BH0-
c 258	19	70.4	441	1	AA152317	AA152317	zl03f05.s
c 259	19	70.4	441	2	BB821184	BB821184	BB821184
260	19	70.4	444	2	BB630588	BB630588	BB630588
261	19	70.4	445	1	AI493500	AI493500	qy96a07.x
262	19	70.4	449	1	AV775870	AV775870	AV775870
c 263	19	70.4	449	2	AW511769	AW511769	xu76f11.x
c 264	19	70.4	449	5	BY417830	BY417830	BY417830
265	19	70.4	452	9	CL871954	CL871954	abe78h08.
266	19	70.4	453	6	CB338472	CB338472	kb56a06.y
267	19	70.4	455	7	CO307466	CO307466	EK254629.
268	19	70.4	456	1	AI626562	AI626562	fc06b10.y
c 269	19	70.4	458	7	R91319	R91319	yp95b03.r1
c 270	19	70.4	460	5	BU013751	BU013751	QGJ5I01.y
c 271	19	70.4	461	2	AW190305	AW190305	xl13f03.x
272	19	70.4	461	4	BJ749650	BJ749650	BJ749650
c 273	19	70.4	466	1	AA854964	AA854964	aj70d10.s
274	19	70.4	466	4	BJ016643	BJ016643	BJ016643
c 275	19	70.4	468	4	BG066025	BG066025	H3038A10-
c 276	19	70.4	469	1	AI950033	AI950033	wq15h08.x
277	19	70.4	469	4	BJ741113	BJ741113	BJ741113
c 278	19	70.4	469	8	BZ675776	BZ675776	PUBAI54TD
c 279	19	70.4	470	2	AW134987	AW134987	UI-H-BI1-
c 280	19	70.4	471	8	BH326680	BH326680	CH230-105
281	19	70.4	473	5	BP308464	BP308464	BP308464
c 282	19	70.4	474	1	AI023126	AI023126	ow53e02.s
283	19	70.4	475	1	AL697917	AL697917	DKFZp686C
c 284	19	70.4	476	8	AQ817725	AQ817725	HS_5250_B
c 285	19	70.4	479	7	CK460560	CK460560	930844 MA
286	19	70.4	479	7	CK461259	CK461259	931612 MA
287	19	70.4	481	1	AI149877	AI149877	qf43f05.x
c 288	19	70.4	481	2	BB822999	BB822999	BB822999
289	19	70.4	481	5	BU944771	BU944771	AGENCOURT
290	19	70.4	481	7	CO297495	CO297495	EK169943.
291	19	70.4	482	7	CN266966	CN266966	170006000
292	19	70.4	483	4	BG283406	BG283406	602407166
293	19	70.4	484	1	AA652689	AA652689	ns69h12.s
294	19	70.4	485	1	AI924409	AI924409	wn60g06.x
295	19	70.4	487	5	BU178736	BU178736	AGENCOURT
296	19	70.4	487	9	CL336809	CL336809	RPCI44_26
297	19	70.4	489	9	CL875156	CL875156	abf02f03.
298	19	70.4	490	5	BP296861	BP296861	BP296861
299	19	70.4	490	7	CN266965	CN266965	170006000
c 300	19	70.4	491	4	BJ729754	BJ729754	BJ729754
301	19	70.4	492	8	BH786679	BH786679	fzmb014f0
302	19	70.4	492	9	CL337750	CL337750	RPCI44_26
c 303	19	70.4	493	5	BQ011352	BQ011352	UI-1-BC1p
c 304	19	70.4	493	5	BQ021483	BQ021483	UI-H-DH1-
c 305	19	70.4	493	7	CN494548	CN494548	Mdfw2025g
c 306	19	70.4	495	7	CK463414	CK463414	934319 MA
307	19	70.4	496	4	BG248930	BG248930	602361367
c 308	19	70.4	496	4	BJ729751	BJ729751	BJ729751
309	19	70.4	496	6	CB295203	CB295203	12B22034_
310	19	70.4	497	4	BG498995	BG498995	602544684
311	19	70.4	497	7	CN266950	CN266950	170006001
312	19	70.4	497	7	CN266971	CN266971	170006001
313	19	70.4	497	7	CN266974	CN266974	170006001
314	19	70.4	498	6	CD678042	CD678042	hp01b03.y
c 315	19	70.4	502	1	AJ667829	AJ667829	AJ667829
316	19	70.4	502	5	BP258542	BP258542	BP258542
317	19	70.4	502	7	CN266970	CN266970	170006000
318	19	70.4	502	7	CN643062	CN643062	ILLUMIGEN
319	19	70.4	503	7	CN266968	CN266968	170006000
320	19	70.4	503	7	CN803527	CN803527	ILLUMIGEN
321	19	70.4	505	1	AJ711503	AJ711503	AJ711503
322	19	70.4	506	1	AV756716	AV756716	AV756716
323	19	70.4	506	4	BG248935	BG248935	602361373
324	19	70.4	506	4	BM478996	BM478996	AGENCOURT
325	19	70.4	506	6	CA395909	CA395909	cs70f04.y
326	19	70.4	507	5	BP039980	BP039980	BP039980
327	19	70.4	507	6	CB109429	CB109429	K-EST0150
328	19	70.4	508	6	CB109717	CB109717	K-EST0151
329	19	70.4	509	4	BM832765	BM832765	K-EST0107
330	19	70.4	509	5	BQ640580	BQ640580	he30e05.y
c 331	19	70.4	509	6	CD678041	CD678041	hp01b03.x
332	19	70.4	510	1	AJ712072	AJ712072	AJ712072
c 333	19	70.4	510	2	BF510501	BF510501	UI-H-BI4-
c 334	19	70.4	510	4	BM693740	BM693740	UI-E-DW1-
335	19	70.4	510	4	BM743513	BM743513	K-EST0016
336	19	70.4	511	6	CB962993	CB962993	AGENCOURT
337	19	70.4	512	7	CO705890	CO705890	DG32-42o8
338	19	70.4	513	4	BM053216	BM053216	id66h04.x
339	19	70.4	513	4	BM850309	BM850309	K-EST0130
340	19	70.4	513	7	CF123441	CF123441	UI-HF-CH0
341	19	70.4	514	4	BM829920	BM829920	K-EST0103
342	19	70.4	515	4	BM852347	BM852347	K-EST0133
343	19	70.4	515	6	CB111241	CB111241	K-EST0152
344	19	70.4	516	4	BM761942	BM761942	K-EST0043
345	19	70.4	516	6	CB113911	CB113911	K-EST0157
c 346	19	70.4	517	5	BM994562	BM994562	UI-H-DH0-
347	19	70.4	517	6	CB159711	CB159711	K-EST0219
348	19	70.4	518	5	BP367159	BP367159	BP367159
349	19	70.4	518	6	CB295195	CB295195	12B22006_
350	19	70.4	519	5	BP209008	BP209008	BP209008
351	19	70.4	520	6	CB110054	CB110054	K-EST0151
c 352	19	70.4	521	5	BM994466	BM994466	UI-H-DH0-
353	19	70.4	521	6	CB114108	CB114108	K-EST0157
354	19	70.4	521	7	CN226558	CN226558	RJB003C02
355	19	70.4	522	1	AJ708059	AJ708059	AJ708059
356	19	70.4	522	1	AV773337	AV773337	AV773337
357	19	70.4	522	4	BG292278	BG292278	602386731
358	19	70.4	522	5	BQ421468	BQ421468	AGENCOURT
359	19	70.4	523	6	CB134243	CB134243	K-EST0185
c 360	19	70.4	524	8	AZ597288	AZ597288	1M0410K20
361	19	70.4	525	4	BM459958	BM459958	AGENCOURT
362	19	70.4	525	5	BP316676	BP316676	BP316676
363	19	70.4	525	7	CK463071	CK463071	933935 MA
c 364	19	70.4	525	8	BH711665	BH711665	BOMHI17TR
365	19	70.4	526	5	BP369229	BP369229	BP369229
c 366	19	70.4	526	9	CE206972	CE206972	tigr-gss-
367	19	70.4	530	4	BG120414	BG120414	602347124
368	19	70.4	530	5	BP258296	BP258296	BP258296
369	19	70.4	530	5	BP371579	BP371579	BP371579
c 370	19	70.4	530	5	BQ983637	BQ983637	QGE19K17.
371	19	70.4	532	5	BP227155	BP227155	BP227155
c 372	19	70.4	532	6	CA437511	CA437511	UI-H-DH0-
373	19	70.4	532	6	CD248985	CD248985	AGENCOURT
374	19	70.4	532	6	CD385694	CD385694	AGENCOURT
375	19	70.4	533	2	BF216388	BF216388	601884432
376	19	70.4	533	4	BG897872	BG897872	HOA1-1-A7
c 377	19	70.4	533	4	BM665732	BM665732	UI-E-CL1-
378	19	70.4	533	5	BU164854	BU164854	AGENCOURT
c 379	19	70.4	533	9	CE757462	CE757462	tigr-gss-
380	19	70.4	534	1	AI621910	AI621910	486028C02
381	19	70.4	534	5	BP048933	BP048933	BP048933
382	19	70.4	534	5	BP208687	BP208687	BP208687
383	19	70.4	534	6	CD386125	CD386125	AGENCOURT
c 384	19	70.4	534	7	W45539	W45539	zc26b04.s1
385	19	70.4	535	4	BM711934	BM711934	UI-E-CL1-
c 386	19	70.4	535	4	BM770209	BM770209	K-EST0053
c 387	19	70.4	535	5	BM996152	BM996152	UI-H-DH0-
388	19	70.4	535	7	CN266960	CN266960	170006001
389	19	70.4	537	8	BZ667596	BZ667596	PUBHK87TD

	390	19	70.4	539	4	BM793853	BM793853 K-EST0074
	391	19	70.4	540	3	AY112542	AY112542 Zea mays
	392	19	70.4	540	7	CR766878	CR766878 DKFZp468J
	393	19	70.4	541	6	CA391753	CA391753 cs18e07.y
	394	19	70.4	541	7	CN266953	CN266953 170006001
	395	19	70.4	542	4	BF970535	BF970535 602274024
	396	19	70.4	542	4	BF970605	BF970605 602273924
	397	19	70.4	542	4	BG260526	BG260526 602372072
	398	19	70.4	542	6	CD103361	CD103361 AGENCOURT
c	399	19	70.4	542	8	AZ945210	AZ945210 2M0206F02
	400	19	70.4	543	4	BI861056	BI861056 603391875
	401	19	70.4	544	4	BG171604	BG171604 602320895
c	402	19	70.4	544	7	CF130734	CF130734 UI-HF-ES0
	403	19	70.4	545	5	BU589338	BU589338 AGENCOURT
	404	19	70.4	546	5	BQ948706	BQ948706 AGENCOURT
c	405	19	70.4	546	8	AQ478874	AQ478874 RPCI-11-2
	406	19	70.4	547	7	CR549895	CR549895 DKFZp469N
	407	19	70.4	548	5	BP210175	BP210175 BP210175
	408	19	70.4	549	4	BM703953	BM703953 UI-E-CK1-
c	409	19	70.4	549	5	BQ001056	BQ001056 UI-H-DH1-
	410	19	70.4	549	5	BX098588	BX098588 BX098588
c	411	19	70.4	549	6	CB528470	CB528470 UI-H-FT2-
	412	19	70.4	549	7	CN631953	CN631953 taf14a03.
c	413	19	70.4	549	8	AQ395187	AQ395187 CITBI-E1-
c	414	19	70.4	551	5	BQ993656	BQ993656 QGF5B24.y
	415	19	70.4	551	7	CF130344	CF130344 UI-HF-ES0
	416	19	70.4	552	5	BM898701	BM898701 UI-M-DJ0-
	417	19	70.4	552	6	CD913035	CD913035 G550.116K
c	418	19	70.4	552	8	B91161	B91161 CIT-HSP-216
c	419	19	70.4	554	5	BQ018417	BQ018417 UI-H-DH1-
	420	19	70.4	555	6	CB109634	CB109634 K-EST0150
c	421	19	70.4	555	7	W44583	W44583 zc29e07.s1
	422	19	70.4	556	7	CO669216	CO669216 DG33-481l
	423	19	70.4	557	7	CO691784	CO691784 DG11-371i
c	424	19	70.4	558	9	CG065809	CG065809 PUIBP15TD
c	425	19	70.4	563	2	BE119817	BE119817 UI-R-CA0-
	426	19	70.4	563	7	CN443962	CN443962 Mdfw2001g
c	427	19	70.4	564	7	CN632169	CN632169 taf14a03.
	428	19	70.4	565	2	BE876099	BE876099 601485786
	429	19	70.4	566	2	BE306550	BE306550 601102805
c	430	19	70.4	566	2	BF079140	BF079140 229681 MA
	431	19	70.4	566	7	CF124635	CF124635 UI-HF-CH0
	432	19	70.4	566	7	CK128657	CK128657 AGENCOURT
	433	19	70.4	567	4	BM452521	BM452521 AGENCOURT
	434	19	70.4	567	5	BP259858	BP259858 BP259858
	435	19	70.4	567	6	CB492337	CB492337 omykbra00
	436	19	70.4	567	7	CO682636	CO682636 DG11-156p
	437	19	70.4	569	5	BP206066	BP206066 BP206066
	438	19	70.4	569	6	CD173045	CD173045 AGENCOURT
	439	19	70.4	571	7	CF124599	CF124599 UI-HF-CH0
	440	19	70.4	573	5	BP273057	BP273057 BP273057
	441	19	70.4	574	7	CK141601	CK141601 AGENCOURT
	442	19	70.4	576	4	BI462900	BI462900 603207891
	443	19	70.4	576	5	BP374914	BP374914 BP374914
	444	19	70.4	576	7	CK024102	CK024102 AGENCOURT
	445	19	70.4	578	1	AI621902	AI621902 486028A05
	446	19	70.4	580	1	AV717543	AV717543 AV717543
	447	19	70.4	580	4	BM826641	BM826641 K-EST0098
	448	19	70.4	580	5	BP342107	BP342107 BP342107
	449	19	70.4	580	7	CO693553	CO693553 DG11-64e1
	450	19	70.4	581	4	BG214987	BG214987 RST34644
	451	19	70.4	581	5	BP296744	BP296744 BP296744
	452	19	70.4	581	5	BP308335	BP308335 BP308335
	453	19	70.4	581	5	BP308366	BP308366 BP308366
	454	19	70.4	581	5	BP316270	BP316270 BP316270
	455	19	70.4	581	5	BP328984	BP328984 BP328984
	456	19	70.4	582	1	AV706419	AV706419 AV706419
	457	19	70.4	582	5	BP211095	BP211095 BP211095
	458	19	70.4	582	5	BP226902	BP226902 BP226902
	459	19	70.4	582	5	BP308672	BP308672 BP308672
	460	19	70.4	582	5	BP308701	BP308701 BP308701
	461	19	70.4	582	5	BP317941	BP317941 BP317941
	462	19	70.4	582	5	BP318571	BP318571 BP318571
	463	19	70.4	582	5	BP319858	BP319858 BP319858
	464	19	70.4	582	5	BP348044	BP348044 BP348044
	465	19	70.4	582	5	BP348074	BP348074 BP348074
	466	19	70.4	582	5	BP373872	BP373872 BP373872
	467	19	70.4	583	5	BP309431	BP309431 BP309431
	468	19	70.4	583	5	BP317588	BP317588 BP317588
	469	19	70.4	583	5	BP318534	BP318534 BP318534
	470	19	70.4	583	5	BP318941	BP318941 BP318941
	471	19	70.4	584	5	BP299411	BP299411 BP299411
	472	19	70.4	584	5	BP379791	BP379791 BP379791
	473	19	70.4	587	5	BP316719	BP316719 BP316719
	474	19	70.4	587	9	CR503654	CR503654 Medicago
	475	19	70.4	589	6	CB992659	CB992659 AGENCOURT
	476	19	70.4	589	6	CB994872	CB994872 AGENCOURT
	477	19	70.4	589	6	CB996120	CB996120 AGENCOURT
	478	19	70.4	590	6	CB998201	CB998201 AGENCOURT
c	479	19	70.4	591	6	C77752	C77752 C77752 Mous
	480	19	70.4	592	7	CO682592	CO682592 DG11-156d
	481	19	70.4	593	5	BQ101485	BQ101485 ih95f12.x
c	482	19	70.4	595	7	CO096033	CO096033 GR__Ea18P
c	483	19	70.4	595	7	CO096035	CO096035 GR__Ea18P
	484	19	70.4	595	7	CO691412	CO691412 DG11-31k1
c	485	19	70.4	597	6	CB106047	CB106047 K-EST0135
	486	19	70.4	599	5	BQ551317	BQ551317 H4008E10-
	487	19	70.4	599	5	BU546392	BU546392 GM880009A
	488	19	70.4	606	6	CA053082	CA053082 ssalrgb51
	489	19	70.4	606	7	CO696474	CO696474 DG11-99e2
c	490	19	70.4	614	1	AI729617	AI729617 BNLGHi137
	491	19	70.4	620	6	CA037959	CA037959 ssallna00
c	492	19	70.4	620	6	CD743259	CD743259 UI-H-FT1-
c	493	19	70.4	626	4	BI296055	BI296055 UI-R-DK0-
	494	19	70.4	627	9	CC769015	CC769015 CH240_68B
	495	19	70.4	630	1	AV762849	AV762849 AV762849
	496	19	70.4	631	9	CL904178	CL904178 OA_ABa000
c	497	19	70.4	634	2	BB478682	BB478682 BB478682
c	498	19	70.4	637	8	AZ378705	AZ378705 1M0133O03
	499	19	70.4	639	1	AV682642	AV682642 AV682642
	500	19	70.4	639	6	CD445712	CD445712 EL01T0202
	501	19	70.4	641	1	AV715241	AV715241 AV715241
c	502	19	70.4	641	7	CN542657	CN542657 UI-R-EB0-
	503	19	70.4	642	1	AV714617	AV714617 AV714617
c	504	19	70.4	644	4	BJ742766	BJ742766 BJ742766
c	505	19	70.4	644	9	CE611287	CE611287 tigr-gss-
c	506	19	70.4	648	8	BZ940931	BZ940931 CH240_91A
c	507	19	70.4	650	8	BH300368	BH300368 CH230-179
	508	19	70.4	652	9	CE581771	CE581771 tigr-gss-
c	509	19	70.4	653	6	CD743221	CD743221 UI-H-FT1-
	510	19	70.4	655	6	BY752411	BY752411 BY752411
	511	19	70.4	657	7	CF436693	CF436693 EST673038
	512	19	70.4	658	1	AV723141	AV723141 AV723141
	513	19	70.4	659	1	AV723241	AV723241 AV723241
	514	19	70.4	660	1	AV724770	AV724770 AV724770
c	515	19	70.4	660	7	CV068302	CV068302 Le_mx0_43
c	516	19	70.4	661	9	BX130542	BX130542 Danio rer
c	517	19	70.4	665	8	BH745294	BH745294 gu78e12.b
	518	19	70.4	665	8	BZ712087	BZ712087 OGBAT01TM
c	519	19	70.4	671	2	BB599642	BB599642 BB599642
	520	19	70.4	672	7	CF630304	CF630304 zmrws48_0
	521	19	70.4	673	8	BH558554	BH558554 BOHIF16TF
	522	19	70.4	674	6	BY766087	BY766087 BY766087
c	523	19	70.4	676	2	BB261534	BB261534 BB261534
	524	19	70.4	676	4	BJ732582	BJ732582 BJ732582
c	525	19	70.4	676	9	CL161395	CL161395 104_352_1
	526	19	70.4	682	7	CO681433	CO681433 DG11-129o
	527	19	70.4	682	9	AG576784	AG576784 Mus muscu
	528	19	70.4	683	2	AW013493	AW013493 pc092KS W
	529	19	70.4	684	8	BH438403	BH438403 BOGNR22TR
	530	19	70.4	686	2	BE408540	BE408540 601303076
	531	19	70.4	690	8	AQ748391	AQ748391 HS_5539_A
	532	19	70.4	691	1	AI062379	AI062379 GH01560.5
	533	19	70.4	692	2	BE200138	BE200138 ug59g09.x
	534	19	70.4	695	4	BI917913	BI917913 603181668
c	535	19	70.4	697	6	CA998918	CA998918 S345N_H02

c 536	19	70.4	698	6	CD368216	CD368216 UI-H-FT1-
537	19	70.4	700	2	BE388402	BE388402 601285522
c 538	19	70.4	701	8	BZ014580	BZ014580 oep87g02.
c 539	19	70.4	704	9	BX233029	BX233029 Danio rer
c 540	19	70.4	706	8	BZ263883	BZ263883 CH230-470
541	19	70.4	708	8	BZ814501	BZ814501 PUGAF75TD
c 542	19	70.4	709	4	BG088267	BG088267 H3150H04-
c 543	19	70.4	709	4	BI295171	BI295171 UI-R-DK0-
c 544	19	70.4	711	9	BX212337	BX212337 Danio rer
c 545	19	70.4	712	2	BB228379	BB228379 BB228379
546	19	70.4	713	5	BQ028528	BQ028528 UI-1-EE0-
c 547	19	70.4	713	8	AQ540406	AQ540406 RPCI-11-3
c 548	19	70.4	715	6	CD366453	CD366453 UI-H-FT1-
c 549	19	70.4	715	8	BZ009545	BZ009545 oek43b03.
c 550	19	70.4	719	5	BW092046	BW092046 BW092046
551	19	70.4	719	6	CA417705	CA417705 UI-H-FE0-
552	19	70.4	719	9	CC959006	CC959006 BOIDC82TF
553	19	70.4	720	1	AV727442	AV727442 AV727442
c 554	19	70.4	722	4	BG491581	BG491581 602535906
555	19	70.4	722	6	CA428545	CA428545 UI-H-FE1-
556	19	70.4	724	7	CO687157	CO687157 DG11-228e
c 557	19	70.4	727	8	CC006666	CC006666 PUEAH51TD
558	19	70.4	731	9	AG302272	AG302272 Mus muscu
c 559	19	70.4	734	9	AG159081	AG159081 Pan trogl
c 560	19	70.4	735	8	BH282903	BH282903 CH230-49K
c 561	19	70.4	735	8	CC366464	CC366464 PUHML50TD
562	19	70.4	737	1	AV755460	AV755460 AV755460
563	19	70.4	738	9	CE807368	CE807368 tigr-gss-
564	19	70.4	739	8	BZ780413	BZ780413 ii39g06.g
565	19	70.4	740	7	CK770847	CK770847 959068 MA
c 566	19	70.4	743	7	CN147506	CN147506 WOUND1_50
567	19	70.4	747	9	CC785465	CC785465 ZMMBBb015
568	19	70.4	747	9	CE081044	CE081044 tigr-gss-
c 569	19	70.4	755	9	AG475874	AG475874 Mus muscu
570	19	70.4	757	9	CR177223	CR177223 Reverse s
c 571	19	70.4	757	9	CG031181	CG031181 PUIBB92TD
c 572	19	70.4	758	9	CG208804	CG208804 OG0EL28TH
c 573	19	70.4	766	7	CV082705	CV082705 Mdst6002i
574	19	70.4	767	7	CV276587	CV276587 WS0141.B2
575	19	70.4	767	7	CV276616	CV276616 WS0141.B2
576	19	70.4	767	9	CL128711	CL128711 ISB1-94P1
c 577	19	70.4	773	8	BZ484025	BZ484025 BONFO41TR
578	19	70.4	775	2	BE876147	BE876147 601485644
579	19	70.4	776	1	AV755864	AV755864 AV755864
580	19	70.4	776	6	CB527835	CB527835 UI-M-FY0-
581	19	70.4	779	5	BU751216	BU751216 CH3#038_G
582	19	70.4	788	8	BZ600428	BZ600428 WHABC40TF
c 583	19	70.4	793	6	CB963834	CB963834 AGENCOURT
584	19	70.4	795	1	AV756465	AV756465 AV756465
585	19	70.4	798	7	CO774884	CO774884 ILLUMIGEN
586	19	70.4	798	9	CR059290	CR059290 Reverse s
587	19	70.4	799	1	AV758181	AV758181 AV758181
588	19	70.4	800	4	BI971567	BI971567 GM830013B
589	19	70.4	801	8	BZ858072	BZ858072 CH240_285
590	19	70.4	802	4	BG491823	BG491823 602535906
591	19	70.4	803	4	BI093132	BI093132 602858079
592	19	70.4	804	2	BE535001	BE535001 601234285
c 593	19	70.4	805	2	BB268561	BB268561 BB268561
594	19	70.4	807	4	BG778871	BG778871 602667567
595	19	70.4	807	5	BQ571642	BQ571642 UI-M-FC0-
596	19	70.4	808	8	BH466655	BH466655 BOGBI69TR
c 597	19	70.4	810	9	CG950048	CG950048 MBEHA01TF
598	19	70.4	811	1	AV757709	AV757709 AV757709
599	19	70.4	815	4	BG165529	BG165529 602343643
600	19	70.4	826	9	CC949349	CC949349 BOIGX81TF
601	19	70.4	827	7	CF410474	CF410474 CH3#067_C
602	19	70.4	831	8	BH432125	BH432125 BOGQP54TF
603	19	70.4	832	4	BG533545	BG533545 601860967
604	19	70.4	833	7	CK128763	CK128763 AGENCOURT
605	19	70.4	834	4	BI488454	BI488454 603020954
606	19	70.4	835	2	BE369520	BE369520 601220960
607	19	70.4	835	7	CR281849	CR281849 CR281849
608	19	70.4	836	9	CG373092	CG373092 OG0EJ40TV
609	19	70.4	839	5	BU176173	BU176173 AGENCOURT
610	19	70.4	856	5	BU943693	BU943693 AGENCOURT
611	19	70.4	856	7	CK705105	CK705105 ZF101-P00
612	19	70.4	857	8	BH306485	BH306485 CH230-100
613	19	70.4	859	8	BH590157	BH590157 BOHSB35TR
614	19	70.4	860	2	BE877989	BE877989 601489766
c 615	19	70.4	870	8	CC416157	CC416157 PUHNX79TB
616	19	70.4	877	5	BU851985	BU851985 AGENCOURT
c 617	19	70.4	877	8	BZ668024	BZ668024 PUBGY25TD
c 618	19	70.4	877	8	CC427572	CC427572 PUHGD43TD
c 619	19	70.4	881	9	CG071350	CG071350 PUFWN03TB
620	19	70.4	886	9	CG208815	CG208815 OG0EL28TV
c 621	19	70.4	888	9	CNS04L3U	AL295635 Tetraodon
622	19	70.4	903	8	BZ994674	BZ994674 PUEBM56TD
623	19	70.4	903	9	CG119572	CG119572 PUFLU81TD
c 624	19	70.4	908	8	AZ137826	AZ137826 SP_0178_A
c 625	19	70.4	915	9	CL512941	CL512941 SAIL_869_
c 626	19	70.4	920	2	BF341876	BF341876 602016558
c 627	19	70.4	923	8	BZ672079	BZ672079 PUBCW55TD
c 628	19	70.4	929	8	CC396756	CC396756 PUHPO01TB
629	19	70.4	932	4	BG620296	BG620296 602618587
630	19	70.4	932	7	CO774956	CO774956 ILLUMIGEN
631	19	70.4	933	7	CO774055	CO774055 ILLUMIGEN
632	19	70.4	934	7	CO579763	CO579763 ILLUMIGEN
633	19	70.4	941	7	CO579002	CO579002 ILLUMIGEN
634	19	70.4	945	7	CO775004	CO775004 ILLUMIGEN
635	19	70.4	947	7	CO774548	CO774548 ILLUMIGEN
c 636	19	70.4	948	2	BF346949	BF346949 602021792
637	19	70.4	948	2	BE407727	BE407727 601299771
638	19	70.4	948	7	CO579754	CO579754 ILLUMIGEN
c 639	19	70.4	954	9	CL317845	CL317845 ZMMBBc014
c 640	19	70.4	958	4	BI655777	BI655777 603281379
641	19	70.4	964	5	BU953880	BU953880 AGENCOURT
642	19	70.4	970	7	CO579166	CO579166 ILLUMIGEN
643	19	70.4	981	7	CO774058	CO774058 ILLUMIGEN
c 644	18.8	69.6	312	8	AQ065894	AQ065894 HS_2239_A
645	18.8	69.6	349	2	BB813785	BB813785 BB813785
646	18.8	69.6	355	7	CN807275	CN807275 HDAH03D01
647	18.8	69.6	360	6	CB078381	CB078381 hj67a01.g
648	18.8	69.6	430	8	AQ322842	AQ322842 RPCI11-10
649	18.8	69.6	467	5	BU570301	BU570301 AGENCOURT
650	18.8	69.6	483	7	CN807274	CN807274 HDAH02C03
c 651	18.8	69.6	489	9	CL152973	CL152973 104_337_1
652	18.8	69.6	542	7	CN807278	CN807278 HDAH11E09
653	18.8	69.6	630	8	CC140017	CC140017 NDL.43B22
c 654	18.8	69.6	643	5	BX838285	BX838285 BX838285
655	18.8	69.6	652	2	BB190616	BB190616 BB190616
656	18.8	69.6	655	6	CA120116	CA120116 SCCCLR106
657	18.8	69.6	666	8	AQ415873	AQ415873 RPCI-11-2
c 658	18.8	69.6	686	6	CA123903	CA123903 SCMCLR112
659	18.8	69.6	707	8	AQ111227	AQ111227 CIT-HSP-2
660	18.8	69.6	740	8	CC151714	CC151714 NDL.43B22
661	18.8	69.6	743	2	BE271530	BE271530 601140328
662	18.8	69.6	747	8	BZ604718	BZ604718 WHAAA78TF
c 663	18.8	69.6	765	9	CC522547	CC522547 CH240_370
c 664	18.8	69.6	782	8	BH551029	BH551029 BOHQK87TR
c 665	18.8	69.6	801	8	BH550268	BH550268 BOHQN87TR
666	18.8	69.6	816	8	BH489272	BH489272 BOHQT60TF
667	18.8	69.6	825	6	CD652052	CD652052 AGENCOURT
c 668	18.8	69.6	829	9	CC517935	CC517935 CH240_364
669	18.8	69.6	837	9	CC905930	CC905930 t025p01ba
670	18.8	69.6	839	8	BZ841092	BZ841092 CH240_249
c 671	18.8	69.6	895	9	CNS04NH8	AL298709 Tetraodon
c 672	18.6	68.9	105	1	AA659336	AA659336 nt91a04.s
c 673	18.6	68.9	119	8	BH630403	BH630403 1007088C0
c 674	18.6	68.9	126	8	AZ022135	AZ022135 RPCI-23-2
675	18.6	68.9	131	2	BF855559	BF855559 RC2-FN019
c 676	18.6	68.9	151	8	BH624109	BH624109 1007103G1
c 677	18.6	68.9	174	8	BH624087	BH624087 1007103G0
678	18.6	68.9	218	1	AA955363	AA955363 UI-R-A1-e
679	18.6	68.9	260	1	AV264039	AV264039 AV264039
680	18.6	68.9	304	1	AA800342	AA800342 EST189839
681	18.6	68.9	305	4	BG378525	BG378525 UI-R-CU0-

	682	18.6	68.9	353	9	CR505892	CR505892 Medicago
c	683	18.6	68.9	362	6	CA991616	CA991616 HC1214 GI
c	684	18.6	68.9	363	2	BF464404	BF464404 UI-M-CG0p
c	685	18.6	68.9	371	8	AQ090369	AQ090369 HS_3000_B
	686	18.6	68.9	391	1	AA893887	AA893887 EST197690
	687	18.6	68.9	408	1	AA179040	AA179040 zp11a03.r
c	688	18.6	68.9	408	8	AQ331257	AQ331257 nbxb0049I
	689	18.6	68.9	414	6	CA349199	CA349199 499559 NC
	690	18.6	68.9	416	5	BM936143	BM936143 UI-M-CG0p
c	691	18.6	68.9	416	7	T94338	T94338 ye31f10.s1
c	692	18.6	68.9	423	1	AI494965	AI494965 sa93c06.y
c	693	18.6	68.9	430	8	AZ244687	AZ244687 RPCI-23-8
c	694	18.6	68.9	435	8	AQ446038	AQ446038 nbxb0058E
c	695	18.6	68.9	439	2	BF597467	BF597467 su86b10.y
	696	18.6	68.9	449	1	AA962997	AA962997 UI-R-E1-g
	697	18.6	68.9	450	2	BF406695	BF406695 UI-R-BJ2-
c	698	18.6	68.9	452	2	BB713480	BB713480
c	699	18.6	68.9	455	8	AQ059374	AQ059374 CIT-HSP-2
	700	18.6	68.9	458	8	AZ803693	AZ803693 2M0064B13
c	701	18.6	68.9	481	9	CE247008	CE247008 tigr-gss-
c	702	18.6	68.9	482	9	CL808337	CL808337 OR_CBa002
	703	18.6	68.9	497	5	BX556847	BX556847 BX556847
c	704	18.6	68.9	501	2	AW144709	AW144709 EST290483
	705	18.6	68.9	505	2	BF417844	BF417844 UI-R-CN0-
c	706	18.6	68.9	513	2	AW142230	AW142230 EST292466
	707	18.6	68.9	515	9	CE513885	CE513885 tigr-gss-
	708	18.6	68.9	521	1	AI101588	AI101588 EST210877
c	709	18.6	68.9	533	4	BG075194	BG075194 H3144D05-
	710	18.6	68.9	534	5	BQ832915	BQ832915 LL6in1049
c	711	18.6	68.9	536	1	AA800343	AA800343 EST189840
	712	18.6	68.9	540	8	AZ952674	AZ952674 2M0217P06
	713	18.6	68.9	545	4	BG811970	BG811970 daa57c04.
c	714	18.6	68.9	547	5	BU278139	BU278139 603602523
	715	18.6	68.9	547	9	CE108326	CE108326 tigr-gss-
	716	18.6	68.9	553	5	BQ832825	BQ832825 LL6in1221
c	717	18.6	68.9	555	7	CN666381	CN666381 A0839E03-
	718	18.6	68.9	555	7	CR559516	CR559516 DKFZp468K
c	719	18.6	68.9	556	9	CE200837	CE200837 tigr-gss-
	720	18.6	68.9	561	1	AI013021	AI013021 EST207472
c	721	18.6	68.9	562	2	AW171753	AW171753 N100647e
	722	18.6	68.9	565	7	CK874769	CK874769 SGP135986
c	723	18.6	68.9	568	2	AW555547	AW555547 L0256B03-
	724	18.6	68.9	568	4	BG087656	BG087656 H3144D05-
	725	18.6	68.9	572	1	AI228599	AI228599 EST225294
	726	18.6	68.9	579	8	AQ435746	AQ435746 HS_5053_A
	727	18.6	68.9	585	2	BE100636	BE100636 UI-R-BJ1-
	728	18.6	68.9	589	7	CK874838	CK874838 SGP136058
	729	18.6	68.9	597	8	AZ795009	AZ795009 2M0049I01
c	730	18.6	68.9	605	2	AW924540	AW924540 WS1_70_H1
c	731	18.6	68.9	606	5	BQ211513	BQ211513 UI-R-DY1-
c	732	18.6	68.9	616	9	CL626293	CL626293 OR_BBa002
c	733	18.6	68.9	618	9	FR0038559	AL126060 Fugu rubr
	734	18.6	68.9	624	9	CG866774	CG866774 ZMMBBb035
c	735	18.6	68.9	627	9	BX120565	BX120565 Danio rer
	736	18.6	68.9	629	9	CE403518	CE403518 tigr-gss-
	737	18.6	68.9	633	4	BJ086507	BJ086507
c	738	18.6	68.9	640	8	BH113674	BH113674 RPCI-24-3
c	739	18.6	68.9	655	6	CA964586	CA964586 CcLX05a18
c	740	18.6	68.9	656	4	BG843239	BG843239 1024002A0
c	741	18.6	68.9	657	8	AQ051896	AQ051896 RPCI11-53
c	742	18.6	68.9	657	8	BZ649023	BZ649023 OGAMZ31TC
c	743	18.6	68.9	675	9	CL823211	CL823211 OR_CBa004
	744	18.6	68.9	679	6	CA051972	CA051972 ssalrgb51
	745	18.6	68.9	680	2	BF569832	BF569832 602185773
c	746	18.6	68.9	680	9	CL759333	CL759333 OR_BBa012
c	747	18.6	68.9	689	8	BZ143383	BZ143383 CH230-367
c	748	18.6	68.9	694	5	BX923233	BX923233 BX923233
	749	18.6	68.9	695	6	CA056620	CA056620 ssalrgb53
c	750	18.6	68.9	696	9	CL301682	CL301682 gbs2_CH25
	751	18.6	68.9	704	9	CE162534	CE162534 tigr-gss-
	752	18.6	68.9	706	7	CK845388	CK845388 UI-R-BJ2-
c	753	18.6	68.9	711	8	BH113547	BH113547 RPCI-24-3
c	754	18.6	68.9	712	8	CC015406	CC015406 PUEAT09TD
	755	18.6	68.9	715	7	CN655219	CN655219 SAL_US005
	756	18.6	68.9	716	7	CF575581	CF575581 MCSA149B1
	757	18.6	68.9	719	7	CO088799	CO088799 GR__Ea07P
c	758	18.6	68.9	721	9	AG353619	AG353619 Mus muscu
	759	18.6	68.9	725	4	BG298576	BG298576 602396963
	760	18.6	68.9	728	9	BX187664	BX187664 Danio rer
	761	18.6	68.9	738	5	BX756970	BX756970 BX756970
	762	18.6	68.9	739	9	AG423249	AG423249 Mus muscu
c	763	18.6	68.9	752	8	AQ748092	AQ748092 HS_5538_A
	764	18.6	68.9	758	5	BQ769146	BQ769146 UI-M-FC0-
	765	18.6	68.9	763	9	BX154456	BX154456 Danio rer
	766	18.6	68.9	771	6	CB310064	CB310064 AGENCOURT
	767	18.6	68.9	794	5	BU358922	BU358922 603477529
	768	18.6	68.9	802	5	BU423436	BU423436 603234567
c	769	18.6	68.9	804	6	CB234939	CB234939 AGENCOURT
	770	18.6	68.9	811	1	AL598362	AL598362 DKFZp313P
c	771	18.6	68.9	816	9	CNS02NCD	AL205222 Tetraodon
c	772	18.6	68.9	823	9	CG815869	CG815869 SOYEM51TH
	773	18.6	68.9	826	6	CB959359	CB959359 AGENCOURT
	774	18.6	68.9	830	8	BZ229426	BZ229426 CH230-305
c	775	18.6	68.9	834	9	BX210432	BX210432 Danio rer
	776	18.6	68.9	835	8	AQ935557	AQ935557 CpG2532B
	777	18.6	68.9	844	5	BU602415	BU602415 AGENCOURT
c	778	18.6	68.9	854	9	CL747449	CL747449 OR_BBa011
	779	18.6	68.9	876	9	AG110994	AG110994 Pan trogl
	780	18.6	68.9	877	4	BG975204	BG975204 602843104
	781	18.6	68.9	884	4	BI736325	BI736325 603360030
c	782	18.6	68.9	903	9	CL484186	CL484186 SAIL_392_
	783	18.6	68.9	906	5	BU603807	BU603807 AGENCOURT
c	784	18.6	68.9	906	7	CO805120	CO805120 OMM5015 N
c	785	18.6	68.9	906	9	CG143054	CG143054 PUKBB69TB
	786	18.6	68.9	908	9	CL984119	CL984119 ZMMBHd000
	787	18.6	68.9	909	5	BU533945	BU533945 AGENCOURT
	788	18.6	68.9	933	9	CG952188	CG952188 MBEKN64TF
	789	18.6	68.9	948	6	CA583700	CA583700 EST003375
	790	18.6	68.9	952	4	BG299056	BG299056 602397742
	791	18.6	68.9	960	9	CL490804	CL490804 SAIL_546_
	792	18.6	68.9	991	9	CNS042NM	AL271723 Tetraodon
	793	18.4	68.1	362	8	AZ598437	AZ598437 1M0413E16
	794	18.4	68.1	470	8	AQ766239	AQ766239 HS_5492_A
	795	18.4	68.1	563	8	AQ450838	AQ450838 HS_5173_A
c	796	18.4	68.1	636	5	BP139323	BP139323 BP139323
c	797	18.4	68.1	672	7	CO101453	CO101453 GR__Eb002
c	798	18.4	68.1	691	5	BQ872109	BQ872109 QGI13K24.
c	799	18.4	68.1	693	6	CA967207	CA967207 CcLL01a01
	800	18.4	68.1	731	9	BX191698	BX191698 Danio rer
c	801	18.4	68.1	765	9	AG418532	AG418532 Mus muscu
c	802	18.4	68.1	776	9	AG526896	AG526896 Mus muscu
	803	18.4	68.1	855	4	BG491156	BG491156 602519130
c	804	18.2	67.4	205	4	BJ652902	BJ652902 BJ652902
c	805	18.2	67.4	215	4	BJ018070	BJ018070 BJ018070
c	806	18.2	67.4	229	7	CO341765	CO341765 EP13117.3
c	807	18.2	67.4	238	2	BB213034	BB213034 BB213034
c	808	18.2	67.4	238	9	CNS00U8A	AL090664 Arabidops
c	809	18.2	67.4	301	2	BE123754	BE123754 NXNV_153_
c	810	18.2	67.4	315	2	BB691227	BB691227 BB691227
c	811	18.2	67.4	358	2	AW988131	AW988131 ug03c04.y
	812	18.2	67.4	374	1	AV441928	AV441928 AV441928
	813	18.2	67.4	388	4	BJ664985	BJ664985 BJ664985
c	814	18.2	67.4	396	5	BU086845	BU086845 Na_L3_13C
c	815	18.2	67.4	400	8	BZ193778	BZ193778 CH230-415
	816	18.2	67.4	408	5	BY503114	BY503114 BY503114
c	817	18.2	67.4	410	2	BB691064	BB691064 BB691064
c	818	18.2	67.4	412	7	CO341282	CO341282 EP12152.3
	819	18.2	67.4	416	7	CO289210	CO289210 EK070448.
	820	18.2	67.4	417	8	AZ328878	AZ328878 1M0052C23
	821	18.2	67.4	431	5	BX635475	BX635475 BX635475
	822	18.2	67.4	432	5	BU404329	BU404329 603484557
c	823	18.2	67.4	447	2	BB726928	BB726928 BB726928
c	824	18.2	67.4	450	9	CE761120	CE761120 tigr-gss-
	825	18.2	67.4	453	7	CK346965	CK346965 L0938D05-
c	826	18.2	67.4	453	9	BX126813	BX126813 Danio rer
c	827	18.2	67.4	455	6	BY598601	BY598601 BY598601

c	828	18.2	67.4	455	9	CR405519	CR405519 Arabidops
	829	18.2	67.4	469	1	AI837624	AI837624 UI-M-AK0-
	830	18.2	67.4	471	1	AU286461	AU286461 AU286461
	831	18.2	67.4	476	7	CO263383	EK088363.
c	832	18.2	67.4	482	6	BY594307	BY594307 BY594307
c	833	18.2	67.4	484	7	CO328675	EK291143.
	834	18.2	67.4	484	8	AZ603952	1M0423L01
	835	18.2	67.4	485	8	BH318532	CH230-40M
c	836	18.2	67.4	490	8	AQ534016	RPCI-11-3
	837	18.2	67.4	505	1	AI947559	603023F03
c	838	18.2	67.4	506	8	AZ277952	AZ277952 RPCI-23-1
c	839	18.2	67.4	507	7	R60834	R60834 yh04d12.r1
c	840	18.2	67.4	538	7	CK235561	SB0100130
c	841	18.2	67.4	543	5	BU895177	X020C11 P
c	842	18.2	67.4	574	7	CK134101	RE50559.3
	843	18.2	67.4	579	8	AZ659715	1M0537K15
c	844	18.2	67.4	595	8	BZ935431	CH240_85G
	845	18.2	67.4	609	9	CE626294	tigr-gss-
	846	18.2	67.4	612	2	BB630832	BB630832
	847	18.2	67.4	621	5	BP776653	BP776653
c	848	18.2	67.4	621	7	CF634451	zmrww00_0
c	849	18.2	67.4	626	8	BZ175441	CH230-493
c	850	18.2	67.4	628	9	AG001707	Homo sapi
c	851	18.2	67.4	634	2	BF126405	601650616
c	852	18.2	67.4	634	9	CC474766	CH240_299
c	853	18.2	67.4	635	9	AG001708	Homo sapi
	854	18.2	67.4	636	9	CL370892	RPCI44_30
c	855	18.2	67.4	638	4	BG298972	602397560
c	856	18.2	67.4	638	9	CL784733	OR_BBa010
	857	18.2	67.4	640	7	CR547807	DKFZp459I
c	858	18.2	67.4	655	1	AA949923	LD28488.5
	859	18.2	67.4	660	2	BF636291	NF109D09D
c	860	18.2	67.4	667	9	CE259698	tigr-gss-
	861	18.2	67.4	668	9	CE361654	tigr-gss-
c	862	18.2	67.4	669	8	AQ198194	RPCI11-58
	863	18.2	67.4	685	9	AG001692	Homo sapi
c	864	18.2	67.4	689	2	BB360745	BB360745
c	865	18.2	67.4	693	5	BQ717575	AGENCOURT
c	866	18.2	67.4	694	7	CF924774	DD007D10.
c	867	18.2	67.4	695	3	AK045060	Mus muscu
c	868	18.2	67.4	714	3	AY104831	Zea mays
c	869	18.2	67.4	721	2	BB363812	BB363812
	870	18.2	67.4	722	8	BZ032193	oeh43e08.
c	871	18.2	67.4	727	9	AG553928	Mus muscu
c	872	18.2	67.4	733	8	BZ086802	11d85d09.
	873	18.2	67.4	736	9	CG252099	OGYAL22TH
	874	18.2	67.4	742	4	BI750330	Fg02_07d0
	875	18.2	67.4	742	9	CR258120	Reverse s
c	876	18.2	67.4	752	9	AG550303	Mus muscu
	877	18.2	67.4	765	9	AG405191	Mus muscu
	878	18.2	67.4	765	9	AG501152	Mus muscu
	879	18.2	67.4	772	7	CN185370	UCRCS05_0
c	880	18.2	67.4	772	8	BZ035588	oef84c03.
c	881	18.2	67.4	772	9	CR215133	Reverse s
c	882	18.2	67.4	774	8	AQ250464	T6G5-T7 T
	883	18.2	67.4	776	9	CR268894	Reverse s
c	884	18.2	67.4	781	9	CW016636	ZMMBLc000
	885	18.2	67.4	783	7	CN523961	GQ015M02.
c	886	18.2	67.4	796	8	CC120371	NDL.89O14
	887	18.2	67.4	802	9	CR169181	Reverse s
	888	18.2	67.4	806	9	CC558397	CH240_467
	889	18.2	67.4	807	9	BX968652	Reverse s
c	890	18.2	67.4	832	8	CC330842	OGTAO81TV
	891	18.2	67.4	850	9	CR202110	Reverse s
c	892	18.2	67.4	852	7	CK311191	SB02008B1
c	893	18.2	67.4	867	9	CG228128	OG0AS45TH
	894	18.2	67.4	873	2	BE307593	601091419
	895	18.2	67.4	885	9	CG248384	OGWIE28TV
c	896	18.2	67.4	921	9	CL832996	OR_CBa005
	897	18.2	67.4	930	9	CG174728	PUFUA86TD
	898	18.2	67.4	940	9	CL514215	SAIL_886_
c	899	18.2	67.4	956	5	BU465694	603369943
	900	18.2	67.4	971	9	CG228139	OG0AS45TV
c	901	18.2	67.4	975	9	CL251868	CL251868 ZMMBBb060
	902	18.2	67.4	983	2	BE300087	BE300087 600944558
	903	18.2	67.4	986	1	AL562686	AL562686 AL562686
	904	18	66.7	108	6	CB225388	CB225388 1OM32E03
c	905	18	66.7	121	9	BX199852	BX199852 Danio rer
c	906	18	66.7	130	5	BW527377	BW527377 BW527377
	907	18	66.7	130	8	CC446131	CC446131 PUHMX82TB
c	908	18	66.7	135	5	BX612135	BX612135 BX612135
	909	18	66.7	151	6	CB225420	CB225420 1OM32H04
	910	18	66.7	165	2	AW834302	AW834302 MR2-TT001
c	911	18	66.7	187	5	BM969573	BM969573 UI-CF-DU1
	912	18	66.7	188	2	AW552436	AW552436 L0211E12-
c	913	18	66.7	200	1	AV275928	AV275928 AV275928
c	914	18	66.7	205	8	AQ467512	AQ467512 HS_5219_A
	915	18	66.7	213	4	BG905628	BG905628 TaLr1141A
c	916	18	66.7	214	2	BB246163	BB246163 BB246163
c	917	18	66.7	214	9	CE227647	CE227647 tigr-gss-
c	918	18	66.7	218	1	AV220629	AV220629 AV220629
	919	18	66.7	223	7	H74420	H74420 122 Standar
c	920	18	66.7	228	2	BB147844	BB147844 BB147844
c	921	18	66.7	228	2	BB542861	BB542861 BB542861
	922	18	66.7	231	7	CO708524	CO708524 DG14-10n1
c	923	18	66.7	236	1	AV276840	AV276840 AV276840
c	924	18	66.7	241	1	AV054597	AV054597 AV054597
	925	18	66.7	242	1	AA125720	AA125720 MLLG0153.
c	926	18	66.7	248	7	CK519490	CK519490 rswea0_00
	927	18	66.7	252	7	F10465	F10465 HSC3FE082 n
c	928	18	66.7	253	5	BQ365214	BQ365214 CM3-GN005
	929	18	66.7	253	7	CO711259	CO711259 DG14-166a
c	930	18	66.7	262	6	C24295	C24295 C24295 Miya
	931	18	66.7	271	4	BM209028	BM209028 C0638H12-
	932	18	66.7	272	7	CV197446	CV197446 CGF100395
c	933	18	66.7	275	9	AG240257	AG240257 Lotus cor
c	934	18	66.7	276	5	BX409932	BX409932 BX409932
c	935	18	66.7	279	6	CF003379	CF003379 QBH1g02.x
c	936	18	66.7	280	2	BB089658	BB089658 BB089658
c	937	18	66.7	294	7	CV092178	CV092178 Mdfrt3083
	938	18	66.7	295	2	BB346681	BB346681 BB346681
c	939	18	66.7	300	2	BB294080	BB294080 BB294080
	940	18	66.7	301	6	CD605484	CD605484 RK052A1H0
	941	18	66.7	301	9	CG092001	CG092001 PUKEE57TB
c	942	18	66.7	302	1	AJ647256	AJ647256 AJ647256
c	943	18	66.7	302	5	BQ913025	BQ913025 QHA5M05.y
	944	18	66.7	302	9	CR063699	CR063699 Forward s
	945	18	66.7	305	1	AV767862	AV767862 AV767862
c	946	18	66.7	305	5	BM937211	BM937211 UI-M-CE0-
	947	18	66.7	315	9	CG086376	CG086376 PUJGB25TB
c	948	18	66.7	321	1	AI934659	AI934659 wp87e12.x
	949	18	66.7	321	5	BP053860	BP053860 BP053860
	950	18	66.7	324	9	CG548003	CG548003 OST149203
c	951	18	66.7	328	2	BB530997	BB530997 BB530997
c	952	18	66.7	329	2	BB224765	BB224765 BB224765
	953	18	66.7	334	9	CG601057	CG601057 OST271969
	954	18	66.7	336	9	AG243983	AG243983 Lotus cor
	955	18	66.7	338	1	AA995097	AA995097 ou09e04.s
c	956	18	66.7	338	2	BF832063	BF832063 PM3-HT090
c	957	18	66.7	340	7	CF526883	CF526883 tu-t-c-16
c	958	18	66.7	342	7	CN923051	CN923051 000411AEL
	959	18	66.7	347	5	BU774425	BU774425 SJEGKH03
c	960	18	66.7	350	7	W46533	W46533 zc30f04.s1
	961	18	66.7	354	2	AW440572	AW440572 xt15e11.x
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c	964	18	66.7	361	8	AQ089266	AQ089266 HS_2208_A
c	965	18	66.7	362	2	BF746398	BF746398 PM2-BT082
c	966	18	66.7	362	2	BE990641	BE990641 UI-M-BZ1-
c	967	18	66.7	363	1	AI855787	AI855787 sc29c05.y
c	968	18	66.7	363	8	AZ046631	AZ046631 nbeb0092M
c	969	18	66.7	363	9	CE311738	CE311738 tigr-gss-
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c	971	18	66.7	367	7	CK094369	CK094369 I025P83.3
c	972	18	66.7	368	7	CN493891	CN493891 Mdfw2007n
	973	18	66.7	369	2	AW061143	AW061143 UI-M-BH1-

974	18	66.7	371	9	CE182985	CE182985 tigr-gss-
975	18	66.7	375	2	BE853833	BE853833 ux21c12.y
976	18	66.7	375	5	BP649511	BP649511 BP649511
977	18	66.7	377	7	CR382585	CR382585 CR382585
c 978	18	66.7	378	9	CE610728	CE610728 tigr-gss-
979	18	66.7	384	4	BI207894	BI207894 EST525934
980	18	66.7	386	7	N53498	N53498 yz26a01.s1
981	18	66.7	387	1	AA199246	AA199246 mv41a10.r
982	18	66.7	387	7	W06816	W06816 SMEST0452 S
c 983	18	66.7	388	7	CN896564	CN896564 010613AAZ
c 984	18	66.7	388	7	CN899126	CN899126 010704AAZ
985	18	66.7	389	1	AI608309	AI608309 vf76b04.y
c 986	18	66.7	389	7	CN898502	CN898502 010702AAZ
987	18	66.7	389	9	CL869358	CL869358 abe55e09.
988	18	66.7	390	7	CO218416	CO218416 WS0104.B2
c 989	18	66.7	391	9	AG191102	AG191102 Pan trogl
990	18	66.7	392	1	AA651991	AA651991 ns49e04.s
c 991	18	66.7	392	2	BE647598	BE647598 UI-M-BH1-
c 992	18	66.7	393	7	CN942345	CN942345 010920AVB
993	18	66.7	398	1	AI312539	AI312539 qp10c09.x
994	18	66.7	400	5	BU564366	BU564366 AGENCOURT
c 995	18	66.7	401	1	AA706336	AA706336 ah28g09.s
996	18	66.7	402	1	AJ661283	AJ661283 AJ661283
c 997	18	66.7	403	4	BI207366	BI207366 EST525406
998	18	66.7	403	5	BQ799575	BQ799575 EST 1744
c 999	18	66.7	403	9	CL341540	CL341540 RPCI44_26
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ALIGNMENTS

RESULT 1
CL678320/c
LOCUS CL678320 745 bp DNA linear GSS 09-JUL-2004
DEFINITION PRI0122c_F04_2 - PRI0122c.BR (745) Mixed stage fosmid library of P. pacificus var. California Pristionchus pacificus genomic, genomic survey sequence.
ACCESSION CL678320
VERSION CL678320.1 GI:50184583
KEYWORDS GSS.
SOURCE Pristionchus pacificus
ORGANISM Pristionchus pacificus
Eukaryota; Metazoa; Nematoda; Chromadorea; Diplogasterida; Neodiplogasteridae; Pristionchus.
REFERENCE 1 (bases 1 to 745)
AUTHORS Srinivasan,J., Otto,G.W., Kahlow,U., Geisler,R. and Sommer,R.J.
TITLE AppaDB: an AcedB database for the nematode satellite organism Pristionchus pacificus
JOURNAL Nucleic Acids Res. 32 (1), D421-D422 (2004)
COMMENT Contact: Sommer RJ
Evolutionary Biology
Max-Planck-Institute for Developmental Biology
Spemannstr. 37-39, Tuebingen D-72076, Germany
Tel: 00497071601371
Fax: 00497071601498
Email: ralf.sommer@tuebingen.mpg.de
This library was generated at Caltech, Pasadena, USA and end sequenced at Vancouver, Canada.
Seq primer: T7
Class: fosmid ends.
FEATURES Location/Qualifiers
source 1. .745
/organism="Pristionchus pacificus"
/mol_type="genomic DNA"
/strain="California"
/db_xref="taxon:54126"
/clone_lib="Mixed stage fosmid library of P. pacificus var. California"
/note="Vector: pEpifos-5 Fosmid vector"
ORIGIN

Query Match 100.0%; Score 27; DB 9; Length 745;
Best Local Similarity 100.0%; Pred. No. 3.4;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 AATACATAACAGAAACCTGAAACACAA 27
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Db        643 AATACATAACAGAAACCTGAAACACAA 617
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RESULT 2
CG150839/c
LOCUS CG150839 797 bp DNA linear GSS 21-AUG-2003
DEFINITION PUIDD53TD ZM_0.6_1.0_KB Zea mays genomic clone ZMMBTa0556I10, genomic survey sequence.
ACCESSION CG150839
VERSION CG150839.1 GI:34041622
KEYWORDS GSS.
SOURCE Zea mays
ORGANISM Zea mays
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; PACCAD clade; Panicoideae; Andropogoneae; Zea.
REFERENCE 1 (bases 1 to 797)
AUTHORS Whitelaw,C.A., Quackenbush,J., Van Aken,S., Utterback,T., Resnick,A., Fraser,C.M., Yuan,Y., San Miguel,P., Ma,J. and Bennetzen,J.
TITLE Maize Genomics Consortium
JOURNAL Unpublished (2003)
COMMENT Other_GSSs: PUIDD53TB
Contact: Cathy Whitelaw
TIGR
9712 Medical Center Drive, Rockville, MD 20850, USA
Tel: 301-838-5843
Fax: 301-838-0208
Email: whitelaw@tigr.org
Seq primer: TF
Class: sheared ends.
FEATURES Location/Qualifiers
source 1. .797
/organism="Zea mays"
/mol_type="genomic DNA"
/strain="B73"
/db_xref="taxon:4577"
/clone="ZMMBTa0556I10"
/clone_lib="ZM_0.6_1.0_KB"
/note="Vector: pCR4-TOPO; Site_1: EcoRI; 0.6-1.0 kb high CoT selected genomic DNA library"
ORIGIN

Query Match 79.3%; Score 21.4; DB 9; Length 797;
Best Local Similarity 95.7%; Pred. No. 5.4e+02;
Matches 22; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

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Qy          1 AATACATAACAGAAACCTGAAAC 23
              |||||||||||||||| ||||||
Db        250 AATACATAACAGAAACATGAAAC 228
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RESULT 3
CD908770/c
LOCUS CD908770 275 bp mRNA linear EST 14-JUL-2003
DEFINITION G468.110O12F010817 G468 Triticum aestivum cDNA clone G468110O12, mRNA sequence.
ACCESSION CD908770
VERSION CD908770.1 GI:32683094
KEYWORDS EST.
SOURCE Triticum aestivum (bread wheat)
ORGANISM Triticum aestivum
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta; Spermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae; Pooideae; Triticeae; Triticum.
REFERENCE 1 (bases 1 to 275)
AUTHORS Genoplante.
TITLE Genoplante, a major partnership french program in plant genomics

GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: April 16, 2005, 01:19:30 ; Search time 64.8505 Seconds
(without alignments)
681.251 Million cell updates/sec

Title: US-10-025-137B-5
Perfect score: 27
Sequence: 1 aatacataacagaaacctgaaacacaa 27

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2198208

Minimum DB seq length: 0
Maximum DB seq length: 1000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database : Issued_Patents_NA:*
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6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	19	70.4	587	4	US-09-270-767-11712	Sequence 11712, A
	2	19	70.4	601	4	US-09-949-016-147450	Sequence 147450,
	3	19	70.4	601	4	US-09-949-016-147451	Sequence 147451,
c	4	18	66.7	451	4	US-09-679-409-49	Sequence 49, Appl
	5	18	66.7	601	4	US-09-949-016-69420	Sequence 69420, A
	6	18	66.7	601	4	US-09-949-016-127473	Sequence 127473,
	7	18	66.7	601	4	US-09-949-016-195438	Sequence 195438,
	8	17.8	65.9	475	4	US-09-621-976-13260	Sequence 13260, A
c	9	17.6	65.2	447	4	US-09-621-976-13926	Sequence 13926, A
	10	17.6	65.2	601	4	US-09-949-016-47034	Sequence 47034, A
	11	17.4	64.4	249	4	US-09-248-796A-13772	Sequence 13772, A
	12	17.4	64.4	362	4	US-09-270-767-29482	Sequence 29482, A
	13	17.4	64.4	510	2	US-08-820-170A-23	Sequence 23, Appl
	14	17.4	64.4	510	3	US-09-055-699-23	Sequence 23, Appl
	15	17.4	64.4	510	3	US-09-273-565-23	Sequence 23, Appl
	16	17.4	64.4	510	3	US-09-565-538-23	Sequence 23, Appl
	17	17.4	64.4	510	3	US-09-661-468-23	Sequence 23, Appl
	18	17.4	64.4	510	4	US-09-976-165-23	Sequence 23, Appl
	19	17.4	64.4	513	4	US-09-949-016-4139	Sequence 4139, Ap
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	21	17.4	64.4	601	4	US-09-949-016-43198	Sequence 43198, A
	22	17.4	64.4	601	4	US-09-949-016-43427	Sequence 43427, A
	23	17.4	64.4	601	4	US-09-949-016-43656	Sequence 43656, A
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c	25	17.4	64.4	601	4	US-09-949-016-74822	Sequence 74822, A
c	26	17.4	64.4	601	4	US-09-949-016-75021	Sequence 75021, A
c	27	17.4	64.4	601	4	US-09-949-016-75220	Sequence 75220, A
c	28	17.4	64.4	601	4	US-09-949-016-75419	Sequence 75419, A
c	29	17.4	64.4	601	4	US-09-949-016-75618	Sequence 75618, A
c	30	17.4	64.4	601	4	US-09-949-016-91281	Sequence 91281, A
c	31	17.4	64.4	601	4	US-09-949-016-106176	Sequence 106176,
c	32	17.4	64.4	601	4	US-09-949-016-106375	Sequence 106375,
c	33	17.4	64.4	601	4	US-09-949-016-106574	Sequence 106574,
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c	35	17.4	64.4	601	4	US-09-949-016-106972	Sequence 106972,
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c	37	17.4	64.4	601	4	US-09-949-016-107056	Sequence 107056,
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c	39	17.4	64.4	601	4	US-09-949-016-107140	Sequence 107140,
c	40	17.4	64.4	601	4	US-09-949-016-107182	Sequence 107182,
c	41	17.4	64.4	601	4	US-09-949-016-107224	Sequence 107224,
	42	17.4	64.4	601	4	US-09-949-016-128429	Sequence 128429,
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c	44	17.4	64.4	601	4	US-09-949-016-130538	Sequence 130538,
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c	47	17.4	64.4	601	4	US-09-949-016-179362	Sequence 179362,
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	49	17.4	64.4	617	3	US-09-055-699-24	Sequence 24, Appl
	50	17.4	64.4	617	3	US-09-273-565-24	Sequence 24, Appl
c	51	17.4	64.4	617	3	US-09-385-982-356	Sequence 356, App
	52	17.4	64.4	617	3	US-09-565-538-24	Sequence 24, Appl
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	54	17.4	64.4	617	4	US-09-976-165-24	Sequence 24, Appl
	55	17.4	64.4	629	3	US-09-149-476-232	Sequence 232, App
c	56	17.4	64.4	634	3	US-09-385-982-339	Sequence 339, App
	57	17.4	64.4	639	4	US-09-152-361A-25	Sequence 25, Appl
	58	17.4	64.4	648	4	US-09-270-767-13493	Sequence 13493, A
	59	17.4	64.4	699	4	US-09-248-796A-2804	Sequence 2804, Ap
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c	61	17.2	63.7	546	4	US-09-513-999C-15703	Sequence 15703, A
	62	17	63.0	234	4	US-10-021-338A-109	Sequence 109, App
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	64	17	63.0	333	4	US-09-513-999C-27800	Sequence 27800, A
	65	17	63.0	346	4	US-09-513-999C-24266	Sequence 24266, A
c	66	17	63.0	378	4	US-09-513-999C-30469	Sequence 30469, A
	67	17	63.0	574	3	US-09-221-017B-370	Sequence 370, App
c	68	17	63.0	579	4	US-09-328-352-161	Sequence 161, App
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	70	17	63.0	601	4	US-09-949-016-34873	Sequence 34873, A
	71	17	63.0	601	4	US-09-949-016-52941	Sequence 52941, A
	72	17	63.0	601	4	US-09-949-016-92971	Sequence 92971, A
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c	74	17	63.0	601	4	US-09-949-016-147309	Sequence 147309,
c	75	17	63.0	601	4	US-09-949-016-151018	Sequence 151018,
c	76	17	63.0	601	4	US-09-949-016-195841	Sequence 195841,
c	77	17	63.0	672	4	US-09-134-000C-2898	Sequence 2898, Ap
c	78	17	63.0	835	3	US-08-998-416-377	Sequence 377, App
	79	16.8	62.2	465	4	US-09-621-976-19055	Sequence 19055, A
	80	16.8	62.2	601	4	US-09-949-016-195439	Sequence 195439,
	81	16.8	62.2	601	4	US-09-949-016-195440	Sequence 195440,
c	82	16.8	62.2	601	4	US-09-949-016-202949	Sequence 202949,
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	93	16.6	61.5	601	4	US-09-949-016-71556	Sequence 71556, A
	94	16.6	61.5	601	4	US-09-949-016-71557	Sequence 71557, A
	95	16.6	61.5	601	4	US-09-949-016-86800	Sequence 86800, A
c	96	16.6	61.5	601	4	US-09-949-016-94862	Sequence 94862, A
c	97	16.6	61.5	601	4	US-09-949-016-151019	Sequence 151019,
	98	16.6	61.5	601	4	US-09-949-016-191031	Sequence 191031,
	99	16.6	61.5	601	4	US-09-949-016-191032	Sequence 191032,
	100	16.4	60.7	105	3	US-08-746-111-37	Sequence 37, Appl

c 101	16.4	60.7	228	4	US-09-543-681A-1307	Sequence 1307, Ap
102	16.4	60.7	297	4	US-09-248-796A-9599	Sequence 9599, Ap
103	16.4	60.7	309	4	US-09-513-999C-36088	Sequence 36088, A
104	16.4	60.7	349	4	US-09-513-999C-35500	Sequence 35500, A
c 105	16.4	60.7	436	4	US-09-513-999C-10636	Sequence 10636, A
106	16.4	60.7	438	4	US-09-270-767-11493	Sequence 11493, A
c 107	16.4	60.7	515	4	US-09-621-976-17643	Sequence 17643, A
c 108	16.4	60.7	601	4	US-09-949-016-22572	Sequence 22572, A
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117	16.4	60.7	601	4	US-09-949-016-60461	Sequence 60461, A
c 118	16.4	60.7	601	4	US-09-949-016-61247	Sequence 61247, A
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c 124	16.4	60.7	601	4	US-09-949-016-87698	Sequence 87698, A
c 125	16.4	60.7	601	4	US-09-949-016-91170	Sequence 91170, A
126	16.4	60.7	601	4	US-09-949-016-135086	Sequence 135086,
127	16.4	60.7	601	4	US-09-949-016-135087	Sequence 135087,
128	16.4	60.7	601	4	US-09-949-016-135088	Sequence 135088,
c 129	16.4	60.7	601	4	US-09-949-016-135488	Sequence 135488,
130	16.4	60.7	601	4	US-09-949-016-148494	Sequence 148494,
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132	16.4	60.7	601	4	US-09-949-016-154019	Sequence 154019,
c 133	16.4	60.7	601	4	US-09-949-016-159784	Sequence 159784,
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c 143	16.4	60.7	601	4	US-09-949-016-200148	Sequence 200148,
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145	16.4	60.7	601	4	US-09-949-016-206598	Sequence 206598,
146	16.4	60.7	601	4	US-09-949-016-206599	Sequence 206599,
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148	16.4	60.7	601	4	US-09-949-016-206907	Sequence 206907,
149	16.4	60.7	601	4	US-09-949-016-206908	Sequence 206908,
150	16.4	60.7	601	4	US-09-949-016-206909	Sequence 206909,
151	16.4	60.7	601	4	US-09-949-016-206910	Sequence 206910,
152	16.4	60.7	618	4	US-09-248-796A-1904	Sequence 1904, Ap
153	16.4	60.7	631	3	US-09-149-476-67	Sequence 67, Appl
154	16.4	60.7	688	4	US-09-270-767-29315	Sequence 29315, A
155	16.4	60.7	741	4	US-09-601-198-167	Sequence 167, App
c 156	16.4	60.7	788	4	US-09-270-767-28210	Sequence 28210, A
c 157	16.4	60.7	813	4	US-09-107-532A-3647	Sequence 3647, Ap
158	16.4	60.7	833	4	US-09-270-767-12387	Sequence 12387, A
159	16.4	60.7	842	4	US-09-270-767-13361	Sequence 13361, A
160	16.4	60.7	847	4	US-09-270-767-234	Sequence 234, App
161	16.4	60.7	847	4	US-09-270-767-15516	Sequence 15516, A
c 162	16.4	60.7	926	4	US-09-270-767-13437	Sequence 13437, A
c 163	16.4	60.7	944	3	US-09-386-493-4	Sequence 4, Appli
164	16.2	60.0	141	4	US-09-513-999C-24962	Sequence 24962, A
c 165	16.2	60.0	284	4	US-09-513-999C-12761	Sequence 12761, A
c 166	16.2	60.0	386	4	US-09-513-999C-9572	Sequence 9572, Ap
167	16.2	60.0	489	4	US-09-270-767-8754	Sequence 8754, Ap
168	16.2	60.0	489	4	US-09-270-767-24036	Sequence 24036, A
c 169	16.2	60.0	601	4	US-09-949-016-70964	Sequence 70964, A
c 170	16.2	60.0	601	4	US-09-949-016-102563	Sequence 102563,
c 171	16.2	60.0	601	4	US-09-949-016-156399	Sequence 156399,
c 172	16.2	60.0	601	4	US-09-949-016-156400	Sequence 156400,
c 173	16.2	60.0	601	4	US-09-949-016-156401	Sequence 156401,
c 174	16.2	60.0	601	4	US-09-949-016-172393	Sequence 172393,
c 175	16.2	60.0	601	4	US-09-949-016-181610	Sequence 181610,
c 176	16.2	60.0	730	4	US-08-956-171E-952	Sequence 952, App
c 177	16.2	60.0	730	4	US-08-781-986A-952	Sequence 952, App
178	16.2	60.0	741	4	US-10-101-464A-385	Sequence 385, App
179	16	59.3	45	3	US-09-293-170-14	Sequence 14, Appl
180	16	59.3	66	3	US-09-293-170-13	Sequence 13, Appl
181	16	59.3	108	3	US-09-293-170-12	Sequence 12, Appl
182	16	59.3	228	3	US-09-293-170-11	Sequence 11, Appl
183	16	59.3	248	4	US-09-513-999C-2421	Sequence 2421, Ap
184	16	59.3	276	3	US-09-293-170-10	Sequence 10, Appl
185	16	59.3	294	4	US-09-513-999C-31721	Sequence 31721, A
186	16	59.3	353	4	US-09-621-976-14198	Sequence 14198, A
c 187	16	59.3	364	4	US-08-956-171E-4393	Sequence 4393, Ap
c 188	16	59.3	364	4	US-08-781-986A-4393	Sequence 4393, Ap
c 189	16	59.3	383	4	US-09-513-999C-10004	Sequence 10004, A
c 190	16	59.3	384	4	US-09-134-000C-220	Sequence 220, App
c 191	16	59.3	400	4	US-08-956-171E-4366	Sequence 4366, Ap
c 192	16	59.3	400	4	US-08-781-986A-4366	Sequence 4366, Ap
193	16	59.3	439	4	US-09-621-976-19103	Sequence 19103, A
194	16	59.3	451	3	US-09-404-879A-103	Sequence 103, App
195	16	59.3	451	4	US-09-338-933-103	Sequence 103, App
196	16	59.3	451	4	US-09-215-681-103	Sequence 103, App
197	16	59.3	451	4	US-09-216-003A-103	Sequence 103, App
198	16	59.3	451	4	US-09-667-857-103	Sequence 103, App
199	16	59.3	465	4	US-09-621-976-3499	Sequence 3499, Ap
c 200	16	59.3	472	4	US-09-702-705-892	Sequence 892, App
c 201	16	59.3	472	4	US-09-736-457-892	Sequence 892, App
c 202	16	59.3	472	4	US-09-614-124B-892	Sequence 892, App
c 203	16	59.3	472	4	US-09-671-325-892	Sequence 892, App
c 204	16	59.3	472	4	US-09-658-824-892	Sequence 892, App
c 205	16	59.3	500	4	US-09-513-999C-25383	Sequence 25383, A
206	16	59.3	563	4	US-09-851-873-33	Sequence 33, Appl
207	16	59.3	601	4	US-09-949-016-24573	Sequence 24573, A
c 208	16	59.3	601	4	US-09-949-016-28917	Sequence 28917, A
c 209	16	59.3	601	4	US-09-949-016-29831	Sequence 29831, A
210	16	59.3	601	4	US-09-949-016-37093	Sequence 37093, A
211	16	59.3	601	4	US-09-949-016-37505	Sequence 37505, A
212	16	59.3	601	4	US-09-949-016-39069	Sequence 39069, A
213	16	59.3	601	4	US-09-949-016-40907	Sequence 40907, A
214	16	59.3	601	4	US-09-949-016-40908	Sequence 40908, A
215	16	59.3	601	4	US-09-949-016-44596	Sequence 44596, A
c 216	16	59.3	601	4	US-09-949-016-44879	Sequence 44879, A
217	16	59.3	601	4	US-09-949-016-47557	Sequence 47557, A
218	16	59.3	601	4	US-09-949-016-51492	Sequence 51492, A
219	16	59.3	601	4	US-09-949-016-51493	Sequence 51493, A
220	16	59.3	601	4	US-09-949-016-51495	Sequence 51495, A
c 221	16	59.3	601	4	US-09-949-016-57717	Sequence 57717, A
c 222	16	59.3	601	4	US-09-949-016-58235	Sequence 58235, A
c 223	16	59.3	601	4	US-09-949-016-58236	Sequence 58236, A
224	16	59.3	601	4	US-09-949-016-60054	Sequence 60054, A
c 225	16	59.3	601	4	US-09-949-016-63088	Sequence 63088, A
c 226	16	59.3	601	4	US-09-949-016-78730	Sequence 78730, A
c 227	16	59.3	601	4	US-09-949-016-78731	Sequence 78731, A
c 228	16	59.3	601	4	US-09-949-016-78732	Sequence 78732, A
c 229	16	59.3	601	4	US-09-949-016-78733	Sequence 78733, A
c 230	16	59.3	601	4	US-09-949-016-82643	Sequence 82643, A
231	16	59.3	601	4	US-09-949-016-85979	Sequence 85979, A
232	16	59.3	601	4	US-09-949-016-85980	Sequence 85980, A
233	16	59.3	601	4	US-09-949-016-88326	Sequence 88326, A
234	16	59.3	601	4	US-09-949-016-89064	Sequence 89064, A
235	16	59.3	601	4	US-09-949-016-94173	Sequence 94173, A
c 236	16	59.3	601	4	US-09-949-016-95246	Sequence 95246, A
c 237	16	59.3	601	4	US-09-949-016-95424	Sequence 95424, A
c 238	16	59.3	601	4	US-09-949-016-95602	Sequence 95602, A
c 239	16	59.3	601	4	US-09-949-016-95780	Sequence 95780, A
240	16	59.3	601	4	US-09-949-016-103390	Sequence 103390,
c 241	16	59.3	601	4	US-09-949-016-107465	Sequence 107465,
c 242	16	59.3	601	4	US-09-949-016-107534	Sequence 107534,
243	16	59.3	601	4	US-09-949-016-113260	Sequence 113260,
c 244	16	59.3	601	4	US-09-949-016-117417	Sequence 117417,
c 245	16	59.3	601	4	US-09-949-016-117418	Sequence 117418,
c 246	16	59.3	601	4	US-09-949-016-117419	Sequence 117419,

OM nucleic - nucleic search, using sw model

Run on: April 16, 2005, 01:37:07 ; Search time 263.944 Seconds
(without alignments)
620.591 Million cell updates/sec

Title: US-10-025-137B-5
Perfect score: 27
Sequence: 1 aatacataacagaaacctgaaacacaa 27

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 5622541 seqs, 3033355566 residues

Total number of hits satisfying chosen parameters: 9857118

Minimum DB seq length: 0
Maximum DB seq length: 1000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database : Published_Applications_NA:*
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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	27	100.0	27	15	US-10-025-137-5	Sequence 5, Appli
c	2	21.2	78.5	731	17	US-10-259-194A-472	Sequence 472, App
	3	20.2	74.8	637	10	US-09-791-279-58	Sequence 58, Appl
	4	20.2	74.8	830	13	US-10-027-632-174075	Sequence 174075,
	5	20.2	74.8	830	17	US-10-027-632-174075	Sequence 174075,
c	6	19.6	72.6	854	17	US-10-425-114-953	Sequence 953, App
c	7	19.6	72.6	919	18	US-10-425-115-30589	Sequence 30589, A
	8	19.2	71.1	509	17	US-10-242-535A-46244	Sequence 46244, A
	9	19.2	71.1	509	17	US-10-085-783A-46244	Sequence 46244, A
	10	19	70.4	184	18	US-10-425-115-153959	Sequence 153959,
c	11	19	70.4	349	9	US-09-983-965-4924	Sequence 4924, Ap
c	12	19	70.4	398	10	US-09-918-995-37201	Sequence 37201, A
	13	19	70.4	470	10	US-09-918-995-15355	Sequence 15355, A
	14	19	70.4	525	17	US-10-242-535A-52504	Sequence 52504, A
	15	19	70.4	525	17	US-10-085-783A-52504	Sequence 52504, A
	16	19	70.4	548	16	US-10-029-386-1270	Sequence 1270, Ap
c	17	19	70.4	614	18	US-10-767-795-4462	Sequence 4462, Ap
c	18	19	70.4	630	16	US-10-231-417-69	Sequence 69, Appl
c	19	19	70.4	678	17	US-10-424-599-126027	Sequence 126027,
c	20	19	70.4	848	18	US-10-767-795-4461	Sequence 4461, Ap
c	21	18.8	69.6	498	17	US-10-424-599-51699	Sequence 51699, A
c	22	18.6	68.9	392	17	US-10-242-535A-47615	Sequence 47615, A
c	23	18.6	68.9	392	17	US-10-085-783A-47615	Sequence 47615, A
	24	18.6	68.9	622	13	US-10-027-632-230763	Sequence 230763,
	25	18.6	68.9	622	17	US-10-027-632-230763	Sequence 230763,
	26	18.6	68.9	630	13	US-10-027-632-184812	Sequence 184812,
	27	18.6	68.9	630	13	US-10-027-632-184813	Sequence 184813,
	28	18.6	68.9	630	17	US-10-027-632-184812	Sequence 184812,
	29	18.6	68.9	630	17	US-10-027-632-184813	Sequence 184813,
	30	18.2	67.4	439	18	US-10-425-115-138139	Sequence 138139,
c	31	18.2	67.4	567	18	US-10-357-930-55707	Sequence 55707, A
c	32	18.2	67.4	656	9	US-09-783-436-16	Sequence 16, Appl
c	33	18.2	67.4	656	9	US-09-783-436-17	Sequence 17, Appl
c	34	18.2	67.4	680	18	US-10-363-345A-12297	Sequence 12297, A
	35	18.2	67.4	680	18	US-10-363-345A-12298	Sequence 12298, A
c	36	18.2	67.4	680	19	US-10-363-483A-12297	Sequence 12297, A
	37	18.2	67.4	680	19	US-10-363-483A-12298	Sequence 12298, A
c	38	18.2	67.4	692	9	US-09-783-436-3	Sequence 3, Appli
c	39	18.2	67.4	819	18	US-10-425-115-3783	Sequence 3783, Ap
	40	18	66.7	442	9	US-09-880-107-2453	Sequence 2453, Ap
c	41	18	66.7	464	13	US-10-027-632-253970	Sequence 253970,
c	42	18	66.7	464	17	US-10-027-632-253970	Sequence 253970,
	43	18	66.7	496	18	US-10-767-795-924	Sequence 924, App
c	44	18	66.7	496	18	US-10-425-115-124943	Sequence 124943,
c	45	18	66.7	506	18	US-10-363-345A-181	Sequence 181, App
	46	18	66.7	506	18	US-10-363-345A-182	Sequence 182, App
c	47	18	66.7	506	19	US-10-363-483A-181	Sequence 181, App
	48	18	66.7	506	19	US-10-363-483A-182	Sequence 182, App
c	49	18	66.7	507	13	US-10-027-632-320285	Sequence 320285,
c	50	18	66.7	507	13	US-10-027-632-320286	Sequence 320286,
c	51	18	66.7	507	17	US-10-027-632-320285	Sequence 320285,
c	52	18	66.7	507	17	US-10-027-632-320286	Sequence 320286,
	53	18	66.7	513	13	US-10-027-632-38412	Sequence 38412, A
	54	18	66.7	513	13	US-10-027-632-38413	Sequence 38413, A
	55	18	66.7	513	17	US-10-027-632-38412	Sequence 38412, A
	56	18	66.7	513	17	US-10-027-632-38413	Sequence 38413, A
c	57	18	66.7	606	18	US-10-767-795-2770	Sequence 2770, Ap
c	58	18	66.7	705	18	US-10-767-701-2104	Sequence 2104, Ap
	59	18	66.7	718	18	US-10-437-963-2439	Sequence 2439, Ap
c	60	18	66.7	955	17	US-10-424-599-116589	Sequence 116589,
	61	18	66.7	986	13	US-10-027-632-120557	Sequence 120557,
	62	18	66.7	986	17	US-10-027-632-120557	Sequence 120557,
c	63	18	66.7	987	18	US-10-425-115-32742	Sequence 32742, A
c	64	17.8	65.9	428	17	US-10-424-599-30935	Sequence 30935, A
c	65	17.8	65.9	585	13	US-10-027-632-227289	Sequence 227289,
c	66	17.8	65.9	585	13	US-10-027-632-227290	Sequence 227290,
c	67	17.8	65.9	585	13	US-10-027-632-227291	Sequence 227291,
c	68	17.8	65.9	585	13	US-10-027-632-227292	Sequence 227292,
c	69	17.8	65.9	585	17	US-10-027-632-227289	Sequence 227289,
c	70	17.8	65.9	585	17	US-10-027-632-227290	Sequence 227290,
c	71	17.8	65.9	585	17	US-10-027-632-227291	Sequence 227291,
c	72	17.8	65.9	585	17	US-10-027-632-227292	Sequence 227292,
c	73	17.6	65.2	201	18	US-10-719-993-47646	Sequence 47646, A
c	74	17.6	65.2	352	18	US-10-357-930-50280	Sequence 50280, A
	75	17.6	65.2	376	18	US-10-357-930-11064	Sequence 11064, A
	76	17.6	65.2	394	9	US-09-960-352-11196	Sequence 11196, A
	77	17.6	65.2	400	18	US-10-723-860-3683	Sequence 3683, Ap
c	78	17.6	65.2	405	10	US-09-918-995-36825	Sequence 36825, A
c	79	17.6	65.2	407	9	US-09-764-877-678	Sequence 678, App
c	80	17.6	65.2	407	17	US-10-242-515-678	Sequence 678, App
	81	17.6	65.2	419	18	US-10-425-115-110786	Sequence 110786,
	82	17.6	65.2	427	18	US-10-357-930-32237	Sequence 32237, A
	83	17.6	65.2	444	17	US-10-369-493-40924	Sequence 40924, A
c	84	17.6	65.2	481	13	US-10-027-632-320113	Sequence 320113,

c 85	17.6	65.2	481	17	US-10-027-632-320113	Sequence 320113,
c 86	17.6	65.2	482	9	US-09-764-877-837	Sequence 837, App
c 87	17.6	65.2	482	17	US-10-242-515-837	Sequence 837, App
88	17.6	65.2	495	18	US-10-357-930-55531	Sequence 55531, A
c 89	17.6	65.2	498	13	US-10-027-632-64640	Sequence 64640, A
c 90	17.6	65.2	498	17	US-10-027-632-64640	Sequence 64640, A
c 91	17.6	65.2	533	13	US-10-027-632-314763	Sequence 314763,
c 92	17.6	65.2	533	13	US-10-027-632-314764	Sequence 314764,
c 93	17.6	65.2	533	17	US-10-027-632-314763	Sequence 314763,
c 94	17.6	65.2	533	17	US-10-027-632-314764	Sequence 314764,
c 95	17.6	65.2	538	13	US-10-027-632-79449	Sequence 79449, A
c 96	17.6	65.2	538	13	US-10-027-632-79450	Sequence 79450, A
c 97	17.6	65.2	538	17	US-10-027-632-79449	Sequence 79449, A
c 98	17.6	65.2	538	17	US-10-027-632-79450	Sequence 79450, A
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c 102	17.6	65.2	594	16	US-10-029-386-7257	Sequence 7257, Ap
103	17.6	65.2	602	9	US-09-764-877-3671	Sequence 3671, Ap
104	17.6	65.2	602	17	US-10-242-515-3671	Sequence 3671, Ap
105	17.6	65.2	603	13	US-10-027-632-211213	Sequence 211213,
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c 110	17.6	65.2	627	13	US-10-027-632-152912	Sequence 152912,
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113	17.6	65.2	627	17	US-10-027-632-213911	Sequence 213911,
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115	17.6	65.2	629	17	US-10-027-632-285299	Sequence 285299,
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c 118	17.6	65.2	648	13	US-10-027-632-36048	Sequence 36048, A
c 119	17.6	65.2	648	17	US-10-027-632-36048	Sequence 36048, A
c 120	17.6	65.2	649	13	US-10-027-632-247357	Sequence 247357,
c 121	17.6	65.2	649	13	US-10-027-632-247358	Sequence 247358,
c 122	17.6	65.2	649	13	US-10-027-632-247359	Sequence 247359,
c 123	17.6	65.2	649	17	US-10-027-632-247357	Sequence 247357,
c 124	17.6	65.2	649	17	US-10-027-632-247358	Sequence 247358,
c 125	17.6	65.2	649	17	US-10-027-632-247359	Sequence 247359,
c 126	17.6	65.2	663	17	US-10-343-650A-415	Sequence 415, App
c 127	17.6	65.2	665	16	US-10-029-386-20957	Sequence 20957, A
c 128	17.6	65.2	726	17	US-10-425-114-6232	Sequence 6232, Ap
c 129	17.6	65.2	910	17	US-10-424-599-26813	Sequence 26813, A
c 130	17.6	65.2	954	13	US-10-027-632-10477	Sequence 10477, A
c 131	17.6	65.2	954	17	US-10-027-632-10477	Sequence 10477, A
c 132	17.6	65.2	959	17	US-10-041-615-5	Sequence 5, Appli
c 133	17.4	64.4	34	9	US-09-842-552-76	Sequence 76, Appl
c 134	17.4	64.4	201	18	US-10-741-601-7898	Sequence 7898, Ap
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c 136	17.4	64.4	201	18	US-10-741-601-17820	Sequence 17820, A
c 137	17.4	64.4	201	19	US-10-741-600-21691	Sequence 21691, A
c 138	17.4	64.4	201	19	US-10-741-600-72312	Sequence 72312, A
c 139	17.4	64.4	266	18	US-10-674-124A-17882	Sequence 17882, A
140	17.4	64.4	304	17	US-10-424-599-114348	Sequence 114348,
141	17.4	64.4	354	17	US-10-424-599-72	Sequence 72, Appl
142	17.4	64.4	360	18	US-10-425-115-101953	Sequence 101953,
c 143	17.4	64.4	387	17	US-10-425-114-19110	Sequence 19110, A
144	17.4	64.4	412	9	US-09-770-423-548	Sequence 548, App
c 145	17.4	64.4	419	9	US-09-878-178-1221	Sequence 1221, Ap
c 146	17.4	64.4	419	13	US-10-046-935-1221	Sequence 1221, Ap
c 147	17.4	64.4	419	14	US-10-146-502-1221	Sequence 1221, Ap
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149	17.4	64.4	439	17	US-10-062-674-1220	Sequence 1220, Ap
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c 151	17.4	64.4	452	17	US-10-027-632-278396	Sequence 278396,
c 152	17.4	64.4	459	18	US-10-674-124A-14590	Sequence 14590, A
153	17.4	64.4	460	9	US-09-864-864-113	Sequence 113, App
c 154	17.4	64.4	464	9	US-09-920-455-208	Sequence 208, App
155	17.4	64.4	470	18	US-10-425-115-142133	Sequence 142133,
c 156	17.4	64.4	474	9	US-09-895-828-13	Sequence 13, Appl
c 157	17.4	64.4	474	15	US-10-114-666-13	Sequence 13, Appl
c 158	17.4	64.4	475	17	US-10-424-599-97830	Sequence 97830, A
c 159	17.4	64.4	478	17	US-10-425-114-11669	Sequence 11669, A
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164	17.4	64.4	479	18	US-10-425-115-3240	Sequence 3240, Ap
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166	17.4	64.4	482	17	US-10-027-632-283320	Sequence 283320,
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c 168	17.4	64.4	495	18	US-10-437-963-49668	Sequence 49668, A
c 169	17.4	64.4	497	17	US-10-242-535A-51370	Sequence 51370, A
c 170	17.4	64.4	497	17	US-10-085-783A-51370	Sequence 51370, A
171	17.4	64.4	498	9	US-09-815-343-790	Sequence 790, App
172	17.4	64.4	498	17	US-10-097-105-790	Sequence 790, App
c 173	17.4	64.4	509	18	US-10-363-345A-36181	Sequence 36181, A
174	17.4	64.4	509	18	US-10-363-345A-36182	Sequence 36182, A
c 175	17.4	64.4	509	19	US-10-363-483A-36181	Sequence 36181, A
176	17.4	64.4	509	19	US-10-363-483A-36182	Sequence 36182, A
177	17.4	64.4	510	9	US-09-976-165-23	Sequence 23, Appl
178	17.4	64.4	510	15	US-10-342-276-23	Sequence 23, Appl
179	17.4	64.4	513	15	US-10-108-767-17	Sequence 17, Appl
180	17.4	64.4	513	15	US-10-152-156-17	Sequence 17, Appl
181	17.4	64.4	521	9	US-09-998-598-731	Sequence 731, App
182	17.4	64.4	532	13	US-10-027-632-272211	Sequence 272211,
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c 184	17.4	64.4	537	16	US-10-029-386-1161	Sequence 1161, Ap
185	17.4	64.4	538	13	US-10-027-632-91525	Sequence 91525, A
186	17.4	64.4	538	13	US-10-027-632-91526	Sequence 91526, A
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c 189	17.4	64.4	542	18	US-10-767-701-30889	Sequence 30889, A
c 190	17.4	64.4	552	13	US-10-027-632-193652	Sequence 193652,
c 191	17.4	64.4	552	17	US-10-027-632-193652	Sequence 193652,
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193	17.4	64.4	569	18	US-10-357-930-51828	Sequence 51828, A
194	17.4	64.4	570	13	US-10-027-632-40926	Sequence 40926, A
195	17.4	64.4	570	17	US-10-027-632-40926	Sequence 40926, A
c 196	17.4	64.4	577	9	US-09-895-828-289	Sequence 289, App
c 197	17.4	64.4	577	15	US-10-114-666-289	Sequence 289, App
c 198	17.4	64.4	580	13	US-10-027-632-104831	Sequence 104831,
c 199	17.4	64.4	580	17	US-10-027-632-104831	Sequence 104831,
c 200	17.4	64.4	581	17	US-10-424-599-111747	Sequence 111747,
c 201	17.4	64.4	585	13	US-10-027-632-214882	Sequence 214882,
c 202	17.4	64.4	585	17	US-10-027-632-214882	Sequence 214882,
c 203	17.4	64.4	589	18	US-10-767-701-4344	Sequence 4344, Ap
c 204	17.4	64.4	599	18	US-10-021-323-9615	Sequence 9615, Ap
c 205	17.4	64.4	602	18	US-10-363-345A-9793	Sequence 9793, Ap
206	17.4	64.4	602	18	US-10-363-345A-9794	Sequence 9794, Ap
c 207	17.4	64.4	602	19	US-10-363-483A-9793	Sequence 9793, Ap
208	17.4	64.4	602	19	US-10-363-483A-9794	Sequence 9794, Ap
209	17.4	64.4	604	13	US-10-027-632-239290	Sequence 239290,
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211	17.4	64.4	611	13	US-10-027-632-212526	Sequence 212526,
212	17.4	64.4	611	17	US-10-027-632-212526	Sequence 212526,
c 213	17.4	64.4	616	9	US-09-770-149-830	Sequence 830, App
214	17.4	64.4	617	9	US-09-976-165-24	Sequence 24, Appl
c 215	17.4	64.4	617	10	US-09-871-161-356	Sequence 356, App
216	17.4	64.4	617	15	US-10-342-276-24	Sequence 24, Appl
217	17.4	64.4	617	18	US-10-303-587-4	Sequence 4, Appli
c 218	17.4	64.4	620	17	US-10-424-599-102402	Sequence 102402,
c 219	17.4	64.4	622	13	US-10-027-632-237712	Sequence 237712,
c 220	17.4	64.4	622	13	US-10-027-632-237713	Sequence 237713,
c 221	17.4	64.4	622	13	US-10-027-632-237714	Sequence 237714,
c 222	17.4	64.4	622	17	US-10-027-632-237712	Sequence 237712,
c 223	17.4	64.4	622	17	US-10-027-632-237713	Sequence 237713,
c 224	17.4	64.4	622	17	US-10-027-632-237714	Sequence 237714,
225	17.4	64.4	624	13	US-10-027-632-12326	Sequence 12326, A
226	17.4	64.4	624	17	US-10-027-632-12326	Sequence 12326, A
c 227	17.4	64.4	626	18	US-10-357-930-48818	Sequence 48818, A
228	17.4	64.4	629	10	US-09-809-391-232	Sequence 232, App
229	17.4	64.4	629	10	US-09-882-171-232	Sequence 232, App
230	17.4	64.4	629	17	US-10-164-861-232	Sequence 232, App

GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: April 15, 2005, 23:33:31 ; Search time 748.43 Seconds
(without alignments)
1748.047 Million cell updates/sec

Title: US-10-025-137B-6
Perfect score: 27
Sequence: 1 aaaacacctcttcctgcgatttctcac 27

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 4708233 seqs, 24227607955 residues

Total number of hits satisfying chosen parameters: 7317552

Minimum DB seq length: 0
Maximum DB seq length: 1000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database :
GenEmbl:*
1: gb_ba:*
2: gb_htg:*
3: gb_in:*
4: gb_om:*
5: gb_ov:*
6: gb_pat:*
7: gb_ph:*
8: gb_pl:*
9: gb_pr:*
10: gb_ro:*
11: gb_sts:*
12: gb_sy:*
13: gb_un:*
14: gb_vi:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	27	100.0	27	6	AX781568	AX781568 Sequence
	2	25.4	94.1	100	6	AX998225	AX998225 Sequence
	3	25.4	94.1	100	6	AX998226	AX998226 Sequence
	4	20.4	75.6	100	6	AX998224	AX998224 Sequence
	5	19.2	71.1	758	14	SVI458391	AJ458391 Simian vi
	6	19	70.4	818	4	AF220543	AF220543 Sus scrof
	7	18.2	67.4	368	11	G67111	G67111 217B14-F Hu
	8	18.2	67.4	490	6	CQ420124	CQ420124 Sequence
	9	18.2	67.4	762	6	CQ429002	CQ429002 Sequence
	10	18	66.7	284	6	CQ690736	CQ690736 Sequence
c	11	18	66.7	335	6	AX774693	AX774693 Sequence
c	12	18	66.7	379	1	RTU97659	U97659 Rickettsia
c	13	18	66.7	396	6	AX435675	AX435675 Sequence
c	14	18	66.7	415	6	CQ683585	CQ683585 Sequence
c	15	18	66.7	439	6	CQ662512	CQ662512 Sequence
c	16	18	66.7	472	6	CQ694131	CQ694131 Sequence
c	17	18	66.7	603	3	AF387257	AF387257 Brachionu
c	18	18	66.7	603	3	AF387258	AF387258 Brachionu
c	19	18	66.7	603	3	AF387259	AF387259 Brachionu
c	20	18	66.7	603	3	AF387260	AF387260 Brachionu
c	21	18	66.7	603	3	AF387261	AF387261 Brachionu
c	22	18	66.7	649	6	CQ820104	CQ820104 Sequence
c	23	18	66.7	758	11	BV013129	BV013129 S212P6024
c	24	18	66.7	953	6	CQ693854	CQ693854 Sequence
	25	17.8	65.9	768	6	BD163146	BD163146 Novel pol
	26	17.8	65.9	768	6	AX121029	AX121029 Sequence
c	27	17.8	65.9	979	5	GGA6529	AJ006529 Gallus ga
	28	17.6	65.2	302	6	CQ528717	CQ528717 Sequence
	29	17.6	65.2	405	6	CQ053906	CQ053906 Sequence
	30	17.6	65.2	405	6	CQ069093	CQ069093 Sequence
	31	17.6	65.2	405	6	CQ096139	CQ096139 Sequence
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	35	17.6	65.2	405	6	CQ218144	CQ218144 Sequence
	36	17.6	65.2	405	6	CQ256742	CQ256742 Sequence
	37	17.6	65.2	405	6	CQ293830	CQ293830 Sequence
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c	40	17.6	65.2	407	3	AF340256	AF340256 Cryptocer
c	41	17.6	65.2	407	3	AF340257	AF340257 Cryptocer
c	42	17.6	65.2	407	3	AF340258	AF340258 Cryptocer
c	43	17.6	65.2	407	3	AF340259	AF340259 Cryptocer
c	44	17.6	65.2	410	3	AF340265	AF340265 Cryptocer
c	45	17.6	65.2	410	3	AY222694	AY222694 Cryptocer
c	46	17.6	65.2	410	3	AY222695	AY222695 Cryptocer
c	47	17.6	65.2	411	3	AF126777	AF126777 Cryptocer
c	48	17.6	65.2	411	3	AF126778	AF126778 Cryptocer
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	50	17.6	65.2	607	11	HSC41B6	AL158583 H.sapiens
c	51	17.6	65.2	909	6	A84747	A84747 Sequence 5
c	52	17.6	65.2	909	6	AR257935	AR257935 Sequence
c	53	17.6	65.2	909	6	BD058087	BD058087 Detection
c	54	17.4	64.4	305	14	ADRDBE41	M19539 Adenovirus
	55	17.4	64.4	361	9	HSDXS674	X66464 H.sapiens D
	56	17.4	64.4	381	11	BV090586	BV090586 RPAMMSEQ0
	57	17.4	64.4	400	11	G14457	G14457 human STS S
c	58	17.4	64.4	535	6	A58647	A58647 Sequence 1
c	59	17.4	64.4	535	6	A58655	A58655 Sequence 9
c	60	17.4	64.4	535	8	ABRNAHYPA	X89242 A.bisporus
	61	17.4	64.4	560	6	CQ521377	CQ521377 Sequence
c	62	17.4	64.4	679	11	BV044663	BV044663 S212P6029
c	63	17.4	64.4	793	5	CR733091	CR733091 Gallus ga
c	64	17.4	64.4	817	8	PGR580598	AJ580598 Portulaca
c	65	17.4	64.4	846	9	BC015013	BC015013 Homo sapi
c	66	17.4	64.4	933	5	CR406593	CR406593 Gallus ga
	67	17.2	63.7	420	11	HUMUT5824	L18167 Human STS U
c	68	17.2	63.7	466	6	AX071871	AX071871 Sequence
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c	75	17	63.0	255	6	AX905636	AX905636 Sequence
c	76	17	63.0	255	6	BD041169	BD041169 Sequence
c	77	17	63.0	300	6	CQ703288	CQ703288 Sequence
c	78	17	63.0	342	6	CQ689548	CQ689548 Sequence
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	80	17	63.0	353	6	AX918645	AX918645 Sequence
	81	17	63.0	353	6	BD054178	BD054178 Sequence
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	84	17	63.0	411	6	AX895033	AX895033 Sequence
	85	17	63.0	411	6	BD030566	BD030566 Sequence
c	86	17	63.0	437	1	AF507467	AF507467 Unculture
c	87	17	63.0	441	6	CQ736678	CQ736678 Sequence
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	97	17	63.0	463	6	CQ288967
	98	17	63.0	463	6	CQ325973
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c	100	17	63.0	471	6	CQ417771
c	101	17	63.0	508	10	RATPRPA
c	102	17	63.0	543	6	BD155503
c	103	17	63.0	543	6	AX875441
c	104	17	63.0	547	1	AF507469
c	105	17	63.0	561	6	BD152590
c	106	17	63.0	561	6	AX872528
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	108	17	63.0	582	6	CQ394347
	109	17	63.0	582	6	CQ400709
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c	111	17	63.0	659	4	AY368176
c	112	17	63.0	699	4	AF345504
	113	17	63.0	747	9	HSA333083
c	114	17	63.0	836	6	AX540897
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	127	16.8	62.2	954	10	AY317836
	128	16.8	62.2	954	10	AY317837
	129	16.8	62.2	954	10	AF293081
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c	136	16.6	61.5	189	11	G60741
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	138	16.6	61.5	252	6	AR387790
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	163	16.6	61.5	548	6	AR516573
	164	16.6	61.5	552	1	AB110136
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BV102650 MARC 1543
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M20721 Rat proline
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AF507469 Unculture
BD152590 Primer fo
AX872528 Sequence
CQ407094 Sequence
CQ394347 Sequence
CQ400709 Sequence
BV102649 MARC 1543
AY368176 Sus scrof
AF345504 Sus scrof
AJ333083 Homo sapi
AX540897 Sequence
AF250772 Unculture
A18118 oligonucleo
AF443051 Bacillus
CQ441235 Sequence
BD105561 Estrogen
CR387193 Gallus ga
AF443052 Bacillus
CQ745009 Sequence
AY686635 Monopteru
G74941 MARC 9328-9
BX934443 Gallus ga
AY073055 Mus muscu
AY317836 Mus muscu
AY317837 Mus muscu
AF293081 Mus muscu
BX936019 Gallus ga
AY073054 Mus muscu
AF293080 Mus muscu
AX540493 Sequence
E41520 Method for
E41540 Method for
G60741 SHGC-78222
M87730 Human simpl
AR387790 Sequence
AR524076 Sequence
U28769 Mus musculu
CQ439849 Sequence
X64628 C.viridissi
AF372500 Glycine m
AY143698 Unculture
AY143699 Unculture
U38399 Cryptocercu
CQ050382 Sequence
CQ065429 Sequence
CQ092390 Sequence
CQ131204 Sequence
CQ169807 Sequence
CQ198947 Sequence
CQ214411 Sequence
CQ253003 Sequence
CQ290149 Sequence
CQ327106 Sequence
CQ431705 Sequence
CQ395085 Sequence
CQ401427 Sequence
AF189280 Homo sapi
AY285210 Sus scrof
AR501291 Sequence
AR516573 Sequence
AB110136 Microcyst
AB110137 Microcyst

	166	16.6	61.5	552	1	AB110139
	167	16.6	61.5	552	1	AB110140
	168	16.6	61.5	552	1	AB110141
	169	16.6	61.5	552	1	AB110142
c	170	16.6	61.5	559	11	G62553
c	171	16.6	61.5	600	11	G60742
c	172	16.6	61.5	618	14	AY064780
c	173	16.6	61.5	621	11	BV062435
c	174	16.6	61.5	621	14	HIVU61802
c	175	16.6	61.5	621	14	HIVU61803
	176	16.6	61.5	625	1	AY438846
c	177	16.6	61.5	630	5	AF227549
c	178	16.6	61.5	636	6	CQ649362
c	179	16.6	61.5	636	6	CQ649364
c	180	16.6	61.5	636	6	CQ652010
c	181	16.6	61.5	639	6	AX607329
c	182	16.6	61.5	644	3	AF483107
c	183	16.6	61.5	644	3	AF483108
c	184	16.6	61.5	644	3	AF483109
c	185	16.6	61.5	644	3	AF483110
c	186	16.6	61.5	644	3	AF483111
c	187	16.6	61.5	644	3	AF483112
c	188	16.6	61.5	644	3	AF483113
c	189	16.6	61.5	644	3	AF483114
c	190	16.6	61.5	644	3	AF483115
c	191	16.6	61.5	644	3	AF483116
c	192	16.6	61.5	644	3	AF483117
c	193	16.6	61.5	644	3	AF483119
c	194	16.6	61.5	644	3	AF483120
c	195	16.6	61.5	644	3	AF483121
c	196	16.6	61.5	644	3	AF483142
c	197	16.6	61.5	644	3	AF483144
c	198	16.6	61.5	644	3	AF483145
c	199	16.6	61.5	644	3	AF483146
c	200	16.6	61.5	644	3	AF483147
c	201	16.6	61.5	644	3	AF483148
c	202	16.6	61.5	644	3	AF483149
c	203	16.6	61.5	644	3	AF483150
c	204	16.6	61.5	644	3	AF483151
c	205	16.6	61.5	644	3	AF483152
c	206	16.6	61.5	644	3	AF483153
c	207	16.6	61.5	644	3	AF483154
c	208	16.6	61.5	644	3	AF483155
c	209	16.6	61.5	648	1	AY552340
c	210	16.6	61.5	648	1	AY552342
c	211	16.6	61.5	648	1	AY552343
c	212	16.6	61.5	657	3	AY351054
c	213	16.6	61.5	672	6	AX439340
c	214	16.6	61.5	673	6	AX244371
c	215	16.6	61.5	673	9	D86199S3
	216	16.6	61.5	711	6	AR345998
	217	16.6	61.5	713	6	AR520450
c	218	16.6	61.5	717	8	AY113015
	219	16.6	61.5	724	14	AF014479
	220	16.6	61.5	785	6	A70188
c	221	16.6	61.5	802	8	AY057658
c	222	16.6	61.5	809	5	CR388920
	223	16.6	61.5	834	6	CQ744838
	224	16.6	61.5	853	5	BX930663
	225	16.6	61.5	924	10	AY074207
c	226	16.6	61.5	927	8	PVU54703
	227	16.6	61.5	978	10	AY318290
	228	16.6	61.5	981	6	CQ103876
	229	16.6	61.5	981	6	CQ142676
	230	16.6	61.5	981	6	CQ178172
	231	16.6	61.5	981	6	CQ263970
	232	16.6	61.5	981	6	CQ338326
c	233	16.4	60.7	31	6	BD002728
	234	16.4	60.7	209	6	AX894236
	235	16.4	60.7	209	6	BD029769
c	236	16.4	60.7	251	11	G02677
	237	16.4	60.7	251	11	G59703
c	238	16.4	60.7	300	8	AY731611

AB110139 Microcyst
AB110140 Microcyst
AB110141 Microcyst
AB110142 Microcyst
G62553 SHGC-140225
G60742 SHGC-78223
AY064780 HIV-1 clo
BV062435 S212P6053
U61802 Human immun
U61803 Human immun
AY438846 Unculture
AF227549 Eulamprus
CQ649362 Sequence
CQ649364 Sequence
CQ652010 Sequence
AX607329 Sequence
AF483107 Pagurus l
AF483108 Pagurus l
AF483109 Pagurus l
AF483110 Pagurus l
AF483111 Pagurus l
AF483112 Pagurus l
AF483113 Pagurus l
AF483114 Pagurus l
AF483115 Pagurus l
AF483116 Pagurus l
AF483117 Pagurus l
AF483119 Pagurus l
AF483120 Pagurus l
AF483121 Pagurus l
AF483142 Pagurus l
AF483144 Pagurus l
AF483145 Pagurus l
AF483146 Pagurus l
AF483147 Pagurus l
AF483148 Pagurus l
AF483149 Pagurus l
AF483150 Pagurus l
AF483151 Pagurus l
AF483152 Pagurus l
AF483153 Pagurus l
AF483154 Pagurus l
AF483155 Pagurus l
AY552340 Unidentif
AY552342 Unidentif
AY552343 Unidentif
AY351054 Cervimuni
AX439340 Sequence
AX244371 Sequence
D86201 Homo sapien
AR345998 Sequence
AR520450 Sequence
AY113015 Arabidops
AF014479 African s
A70188 Sequence 49
AY057658 Arabidops
CR388920 Gallus ga
CQ744838 Sequence
BX930663 Gallus ga
AY074207 Mus muscu
U54703 Phaseolus v
AY318290 Mus muscu
CQ103876 Sequence
CQ142676 Sequence
CQ178172 Sequence
CQ263970 Sequence
CQ338326 Sequence
BD002728 Gene comp
AX894236 Sequence
BD029769 Sequence
G02677 human STS W
G59703 SHGC-130454
AY731611 Arachis h

239	16.4	60.7	306	6	AR414765	AR414765 Sequence
240	16.4	60.7	306	6	AX971599	AX971599 Sequence
241	16.4	60.7	306	6	BD110318	BD110318 EST and e
c 242	16.4	60.7	319	6	CQ440841	CQ440841 Sequence
c 243	16.4	60.7	325	11	G65518	G65518 G-109906 Ra
c 244	16.4	60.7	350	6	AX185286	AX185286 Sequence
c 245	16.4	60.7	351	10	RNU60025	U60025 Rattus norv
c 246	16.4	60.7	355	6	AX186026	AX186026 Sequence
247	16.4	60.7	377	6	CQ463555	CQ463555 Sequence
248	16.4	60.7	398	6	AX886916	AX886916 Sequence
249	16.4	60.7	398	6	BD026526	BD026526 Sequence
250	16.4	60.7	403	10	RNINSREC08	AF110206 Rattus no
c 251	16.4	60.7	404	1	UBA504538	AJ504538 Unculture
c 252	16.4	60.7	412	3	NCU17797	U17797 Nauphoeta c
c 253	16.4	60.7	451	6	AX968650	AX968650 Sequence
c 254	16.4	60.7	451	6	BD073668	BD073668 5'EST of
255	16.4	60.7	463	3	APOCHORAA	M25236 A.polyphemu
c 256	16.4	60.7	466	8	AF347635	AF347635 Hedera he
c 257	16.4	60.7	468	6	CQ069255	CQ069255 Sequence
c 258	16.4	60.7	468	6	CQ096284	CQ096284 Sequence
259	16.4	60.7	469	3	APOCHORAB	M25237 A.polyphemu
c 260	16.4	60.7	483	6	AR531524	AR531524 Sequence
c 261	16.4	60.7	485	1	AJ619713	AJ619713 Unculture
c 262	16.4	60.7	496	6	CQ731238	CQ731238 Sequence
c 263	16.4	60.7	505	5	AY217847	AY217847 Trachelop
c 264	16.4	60.7	523	6	AX339840	AX339840 Sequence
265	16.4	60.7	532	6	CQ100871	CQ100871 Sequence
266	16.4	60.7	532	6	CQ139866	CQ139866 Sequence
267	16.4	60.7	532	6	CQ176095	CQ176095 Sequence
268	16.4	60.7	532	6	CQ223221	CQ223221 Sequence
269	16.4	60.7	532	6	CQ261188	CQ261188 Sequence
270	16.4	60.7	532	6	CQ298610	CQ298610 Sequence
271	16.4	60.7	532	6	CQ335336	CQ335336 Sequence
272	16.4	60.7	536	8	AB046952	AB046952 Prunus pe
c 273	16.4	60.7	540	6	CQ419157	CQ419157 Sequence
274	16.4	60.7	540	11	G74938	G74938 MARC 8283-8
275	16.4	60.7	542	8	AF369524	AF369524 Vitis vin
276	16.4	60.7	542	8	AF369525	AF369525 Vitis vin
277	16.4	60.7	546	6	AR505764	AR505764 Sequence
278	16.4	60.7	548	9	AY506122	AY506122 Trachypit
279	16.4	60.7	548	9	AY506123	AY506123 Trachypit
c 280	16.4	60.7	549	1	AB064858	AB064858 Unculture
281	16.4	60.7	556	11	G56606	G56606 SHGC-102174
282	16.4	60.7	568	8	AB073011	AB073011 Vitis lab
283	16.4	60.7	569	11	BV002420	BV002420 S208P6283
284	16.4	60.7	582	6	AX436400	AX436400 Sequence
285	16.4	60.7	582	10	BC048520	BC048520 Mus muscu
c 286	16.4	60.7	598	11	G98912	G98912 S209P6033FC
c 287	16.4	60.7	603	3	AF387287	AF387287 Brachionu
c 288	16.4	60.7	603	3	AF387288	AF387288 Brachionu
c 289	16.4	60.7	603	3	AF387289	AF387289 Brachionu
c 290	16.4	60.7	603	3	AF387290	AF387290 Brachionu
c 291	16.4	60.7	603	3	AF387291	AF387291 Brachionu
c 292	16.4	60.7	603	3	AF387292	AF387292 Brachionu
293	16.4	60.7	617	5	AF549193	AF549193 Aidablenn
c 294	16.4	60.7	622	6	BD154942	BD154942 Primer fo
c 295	16.4	60.7	622	6	AX874880	AX874880 Sequence
c 296	16.4	60.7	630	11	BV075934	BV075934 S212P6257
c 297	16.4	60.7	644	6	CQ428050	CQ428050 Sequence
298	16.4	60.7	646	6	CQ491425	CQ491425 Sequence
299	16.4	60.7	646	6	CQ497301	CQ497301 Sequence
300	16.4	60.7	654	6	CQ719756	CQ719756 Sequence
301	16.4	60.7	696	5	AY487037	AY487037 Hemorrhoi
302	16.4	60.7	696	5	AY487049	AY487049 Hemorrhoi
c 303	16.4	60.7	717	6	AX618526	AX618526 Sequence
c 304	16.4	60.7	742	4	AB010808	AB010808 Felis cat
305	16.4	60.7	745	6	AX136492	AX136492 Sequence
306	16.4	60.7	745	6	BD123732	BD123732 Secretory
c 307	16.4	60.7	746	6	BD222116	BD222116 Cell sign
c 308	16.4	60.7	768	6	AX618226	AX618226 Sequence
309	16.4	60.7	770	6	BD019650	BD019650 Novel gen
310	16.4	60.7	770	6	BD099588	BD099588 Novel gen
311	16.4	60.7	784	11	BV028437	BV028437 S212P6686
c 312	16.4	60.7	787	6	AR338953	AR338953 Sequence
313	16.4	60.7	811	4	AY355895	AY355895 Canis fam
c 314	16.4	60.7	820	10	RNU72410	U72410 Rattus norv
c 315	16.4	60.7	822	6	AX654599	AX654599 Sequence
316	16.4	60.7	825	11	BV022437	BV022437 S212P6028
c 317	16.4	60.7	836	9	AY439003	AY439003 Homo sapi
c 318	16.4	60.7	842	6	CQ780677	CQ780677 Sequence
c 319	16.4	60.7	842	6	CQ782215	CQ782215 Sequence
c 320	16.4	60.7	842	6	BD125386	BD125386 Primer fo
c 321	16.4	60.7	842	6	BD126924	BD126924 Primer fo
322	16.4	60.7	876	1	AF199378	AF199378 Euryarcha
323	16.4	60.7	892	1	AY684400	AY684400 Unculture
c 324	16.4	60.7	918	1	AY497321	AY497321 Unculture
c 325	16.4	60.7	919	1	AY497322	AY497322 Unculture
c 326	16.4	60.7	919	1	AY497323	AY497323 Unculture
c 327	16.4	60.7	923	5	CR406460	CR406460 Gallus ga
328	16.4	60.7	933	14	AF343039	AF343039 Human her
329	16.4	60.7	933	14	AF343042	AF343042 Human her
330	16.4	60.7	933	14	AF343043	AF343043 Human her
331	16.4	60.7	933	14	AF343046	AF343046 Human her
332	16.4	60.7	933	14	AF343047	AF343047 Human her
c 333	16.4	60.7	942	6	AR354413	AR354413 Sequence
c 334	16.4	60.7	942	6	AR535969	AR535969 Sequence
335	16.4	60.7	972	8	SPRAD1R	Z28385 S.pombe (97
336	16.4	60.7	976	6	E05052	E05052 DNA encodin
c 337	16.4	60.7	978	10	AB05234S18	AB052357 Mus muscu
c 338	16.4	60.7	980	5	AB125459	AB125459 Emys orbi
339	16.2	60.0	46	6	A20001	A20001 SEQ ID NO:
340	16.2	60.0	46	6	I13190	I13190 Sequence 10
341	16.2	60.0	77	9	HUMIGHTRN	M23341 Human chrom
c 342	16.2	60.0	102	5	CGMESTRCD	X84744 C.gariepinu
c 343	16.2	60.0	128	6	CQ111579	CQ111579 Sequence
c 344	16.2	60.0	128	6	CQ150362	CQ150362 Sequence
c 345	16.2	60.0	128	6	CQ184749	CQ184749 Sequence
c 346	16.2	60.0	128	6	CQ233673	CQ233673 Sequence
c 347	16.2	60.0	128	6	CQ271528	CQ271528 Sequence
c 348	16.2	60.0	128	6	CQ308996	CQ308996 Sequence
c 349	16.2	60.0	128	6	CQ345703	CQ345703 Sequence
350	16.2	60.0	129	6	CQ054690	CQ054690 Sequence
351	16.2	60.0	129	6	CQ073936	CQ073936 Sequence
352	16.2	60.0	129	6	CQ104825	CQ104825 Sequence
353	16.2	60.0	129	6	CQ143528	CQ143528 Sequence
354	16.2	60.0	129	6	CQ179016	CQ179016 Sequence
355	16.2	60.0	129	6	CQ203367	CQ203367 Sequence
356	16.2	60.0	129	6	CQ226731	CQ226731 Sequence
357	16.2	60.0	129	6	CQ264874	CQ264874 Sequence
358	16.2	60.0	129	6	CQ301963	CQ301963 Sequence
359	16.2	60.0	129	6	CQ339156	CQ339156 Sequence
360	16.2	60.0	192	8	AY127580	AY127580 Limonium
c 361	16.2	60.0	197	6	CQ449967	CQ449967 Sequence
c 362	16.2	60.0	221	6	AX906418	AX906418 Sequence
c 363	16.2	60.0	221	6	BD041951	BD041951 Sequence
364	16.2	60.0	251	8	AF349244	AF349244 Aeschynan
c 365	16.2	60.0	335	8	ATH520230	AJ520230 Arabidops
c 366	16.2	60.0	335	8	ATH522669	AJ522669 Arabidops
c 367	16.2	60.0	365	11	HSC19F01	AL158301 H.sapiens
c 368	16.2	60.0	382	6	AX779676	AX779676 Sequence
c 369	16.2	60.0	405	6	AX436877	AX436877 Sequence
c 370	16.2	60.0	420	6	A20000	A20000 SEQ ID NO:
c 371	16.2	60.0	420	6	I13189	I13189 Sequence 8
c 372	16.2	60.0	423	8	BT003723	BT003723 Arabidops
c 373	16.2	60.0	436	6	CQ484412	CQ484412 Sequence
c 374	16.2	60.0	448	11	G28191	G28191 human STS S
375	16.2	60.0	450	1	AF422509	AF422509 Unculture
376	16.2	60.0	450	8	AB053092	AB053092 Nicotiana
c 377	16.2	60.0	468	6	CQ098500	CQ098500 Sequence
c 378	16.2	60.0	468	6	CQ137395	CQ137395 Sequence
c 379	16.2	60.0	468	6	CQ174885	CQ174885 Sequence
c 380	16.2	60.0	468	6	CQ220737	CQ220737 Sequence
c 381	16.2	60.0	468	6	CQ259000	CQ259000 Sequence
c 382	16.2	60.0	468	6	CQ296550	CQ296550 Sequence
c 383	16.2	60.0	468	6	CQ333015	CQ333015 Sequence
c 384	16.2	60.0	471	8	ATH552958	AJ552958 Arabidops

c 385	16.2	60.0	479	6	AX781046	AX781046 Sequence
c 386	16.2	60.0	508	8	AK058394	AK058394 Oryza sat
c 387	16.2	60.0	518	6	CQ514238	CQ514238 Sequence
388	16.2	60.0	536	8	AY684270	AY684270 Symbiodin
389	16.2	60.0	546	8	AF349550	AF349550 Symbiodin
390	16.2	60.0	546	8	AF349551	AF349551 Symbiodin
391	16.2	60.0	546	8	AF349552	AF349552 Symbiodin
392	16.2	60.0	576	11	BV048061	BV048061 S208P6697
393	16.2	60.0	606	14	AY422801	AY422801 Porcine r
394	16.2	60.0	606	14	AY615788	AY615788 Porcine r
395	16.2	60.0	615	6	CQ520404	CQ520404 Sequence
c 396	16.2	60.0	629	3	AF174420	AF174420 Loa loa S
397	16.2	60.0	649	3	AF344592	AF344592 Diadasia
398	16.2	60.0	650	3	AF344595	AF344595 Diadasia
399	16.2	60.0	651	6	AR510221	AR510221 Sequence
400	16.2	60.0	653	3	AF344594	AF344594 Diadasia
401	16.2	60.0	653	11	G99790	G99790 S209P6068RH
402	16.2	60.0	662	8	AF192800	AF192800 Trochoden
403	16.2	60.0	662	8	AF192801	AF192801 Trochoden
404	16.2	60.0	662	8	AF266104	AF266104 Trochoden
405	16.2	60.0	662	8	AF266106	AF266106 Trochoden
406	16.2	60.0	663	8	AF192797	AF192797 Trochoden
407	16.2	60.0	663	8	AF192798	AF192798 Trochoden
408	16.2	60.0	663	8	AF192799	AF192799 Trochoden
409	16.2	60.0	666	3	AF344593	AF344593 Diadasia
c 410	16.2	60.0	680	8	AF360142	AF360142 Arabidops
411	16.2	60.0	687	6	CQ737950	CQ737950 Sequence
c 412	16.2	60.0	688	5	BX930382	BX930382 Gallus ga
c 413	16.2	60.0	688	14	AY181991	AY181991 Simian im
c 414	16.2	60.0	691	3	TSO428488	AJ428488 Taenia so
c 415	16.2	60.0	692	8	AY086279	AY086279 Arabidops
416	16.2	60.0	697	6	CQ590958	CQ590958 Sequence
c 417	16.2	60.0	702	14	AY181992	AY181992 Simian im
418	16.2	60.0	710	3	AY119077	AY119077 Drosophil
c 419	16.2	60.0	721	5	BX929296	BX929296 Gallus ga
c 420	16.2	60.0	740	8	AB065994	AB065994 Sphaerotr
c 421	16.2	60.0	743	8	AK117817	AK117817 Arabidops
c 422	16.2	60.0	768	6	AX392744	AX392744 Sequence
c 423	16.2	60.0	769	5	BX934095	BX934095 Gallus ga
424	16.2	60.0	846	8	AJ621421	AJ621421 Vigna ung
c 425	16.2	60.0	867	9	S62198S1	S62198 Homo sapien
c 426	16.2	60.0	885	10	S67073	S67073 Mus musculu
c 427	16.2	60.0	892	5	BX933193	BX933193 Gallus ga
c 428	16.2	60.0	924	10	S67074	S67074 Mus musculu
c 429	16.2	60.0	930	10	AY069980	AY069980 Mus muscu
c 430	16.2	60.0	930	10	AY069981	AY069981 Mus muscu
431	16.2	60.0	948	4	BOVPLB	J02840 Bovine plac
c 432	16.2	60.0	981	6	AX695487	AX695487 Sequence
c 433	16.2	60.0	981	9	CR456911	CR456911 Homo sapi
434	16.2	60.0	987	8	DBILECT58A	M23216 Dolichos bi
435	16.2	60.0	999	4	BOVLACP1	M65220 Bovine lact
436	16.2	60.0	1000	4	BOVPLG1	M80326 Bovine plac
437	16	59.3	132	5	AF374392	AF374392 Varanus k
438	16	59.3	135	9	HS30B2R	Z58155 H.sapiens C
c 439	16	59.3	201	11	BV173126	BV173126 sqnm58430
c 440	16	59.3	233	6	AX439652	AX439652 Sequence
441	16	59.3	245	6	CQ689049	CQ689049 Sequence
c 442	16	59.3	250	9	HSXS148	Z36799 H.sapiens (
c 443	16	59.3	260	9	S82618	S82618 S-cone pigm
c 444	16	59.3	278	6	BD058783	BD058783 Secreted
445	16	59.3	280	9	HSA227910	AJ227910 Homo sapi
446	16	59.3	315	9	HUMPEPC	M96835 Homo sapien
c 447	16	59.3	321	6	AR272718	AR272718 Sequence
c 448	16	59.3	321	6	AR276299	AR276299 Sequence
c 449	16	59.3	321	6	AR406574	AR406574 Sequence
c 450	16	59.3	321	6	AR440424	AR440424 Sequence
c 451	16	59.3	321	6	AR472582	AR472582 Sequence
c 452	16	59.3	321	6	AR543235	AR543235 Sequence
c 453	16	59.3	321	6	AX062820	AX062820 Sequence
c 454	16	59.3	321	6	AX367737	AX367737 Sequence
455	16	59.3	349	11	G23454	G23454 human STS W
c 456	16	59.3	355	9	ALPABOP1	AF039418 Alouatta
c 457	16	59.3	366	14	AF220719	AF220719 HIV-1 iso
c 458	16	59.3	366	14	AY667660	AY667660 HIV-1 iso
459	16	59.3	368	8	ATH522157	AJ522157 Arabidops
c 460	16	59.3	381	14	AY492792	AY492792 HIV-1 iso
c 461	16	59.3	383	6	CQ432949	CQ432949 Sequence
c 462	16	59.3	394	6	CQ415190	CQ415190 Sequence
463	16	59.3	400	11	G17275	G17275 human STS S
c 464	16	59.3	405	14	AY541017	AY541017 HIV-1 iso
c 465	16	59.3	406	3	AF339679	AF339679 Cryptocer
c 466	16	59.3	407	3	AF339678	AF339678 Cryptocer
c 467	16	59.3	407	3	AF340260	AF340260 Cryptocer
c 468	16	59.3	408	3	AF340267	AF340267 Cryptocer
c 469	16	59.3	408	3	AF340270	AF340270 Cryptocer
c 470	16	59.3	409	3	AF339673	AF339673 Cryptocer
c 471	16	59.3	409	3	AF339674	AF339674 Cryptocer
c 472	16	59.3	409	3	AF339675	AF339675 Cryptocer
c 473	16	59.3	409	3	AF340263	AF340263 Cryptocer
c 474	16	59.3	409	3	AF340268	AF340268 Cryptocer
c 475	16	59.3	409	3	AF340269	AF340269 Cryptocer
c 476	16	59.3	409	3	AF340271	AF340271 Cryptocer
c 477	16	59.3	409	3	AF340272	AF340272 Cryptocer
c 478	16	59.3	410	3	AF340261	AF340261 Cryptocer
c 479	16	59.3	410	3	AY222666	AY222666 Cryptocer
c 480	16	59.3	410	3	AY222671	AY222671 Cryptocer
c 481	16	59.3	411	3	AF126776	AF126776 Cryptocer
c 482	16	59.3	411	3	AY222662	AY222662 Cryptocer
c 483	16	59.3	411	3	AY222668	AY222668 Cryptocer
c 484	16	59.3	411	3	CPU38408	U38408 Cryptocercu
c 485	16	59.3	412	3	AY222673	AY222673 Cryptocer
c 486	16	59.3	412	3	AY222674	AY222674 Cryptocer
c 487	16	59.3	412	3	AY222676	AY222676 Cryptocer
c 488	16	59.3	412	3	AY222677	AY222677 Cryptocer
c 489	16	59.3	412	3	AY222678	AY222678 Cryptocer
c 490	16	59.3	413	3	AY222663	AY222663 Cryptocer
c 491	16	59.3	413	3	AY222664	AY222664 Cryptocer
c 492	16	59.3	414	3	AF126779	AF126779 Cryptocer
493	16	59.3	425	14	SFVINT8	X83298 Simian foam
494	16	59.3	429	6	AR416408	AR416408 Sequence
495	16	59.3	429	6	AX977102	AX977102 Sequence
496	16	59.3	429	6	BD111961	BD111961 EST and e
497	16	59.3	432	10	AF352175	AF352175 Rattus no
c 498	16	59.3	433	14	AY493121	AY493121 HIV-1 iso
499	16	59.3	436	6	AX893680	AX893680 Sequence
500	16	59.3	436	6	BD029213	BD029213 Sequence
501	16	59.3	447	6	AX454041	AX454041 Sequence
502	16	59.3	456	11	BV105407	BV105407 MARC-1748
c 503	16	59.3	465	6	CQ691784	CQ691784 Sequence
c 504	16	59.3	470	6	CQ424101	CQ424101 Sequence
c 505	16	59.3	476	9	COBOG1	AF039422 Cebus oli
c 506	16	59.3	478	8	AF484239	AF484239 Corythoph
c 507	16	59.3	486	8	AY692724	AY692724 Saccharom
c 508	16	59.3	496	6	BD091085	BD091085 DNA chip
c 509	16	59.3	522	8	AF315606	AF315606 Alectryon
510	16	59.3	526	10	RATSV403	M28631 Brown rat D
c 511	16	59.3	531	8	BT010494	BT010494 Arabidops
512	16	59.3	544	11	BV022952	BV022952 S212P6035
c 513	16	59.3	553	11	G88797	G88797 S209P6452FD
514	16	59.3	566	11	BV002880	BV002880 S209P6217
c 515	16	59.3	570	11	BV001269	BV001269 S209P6282
c 516	16	59.3	573	11	BV140296	BV140296 PZA00543
517	16	59.3	592	8	AY079362	AY079362 Arabidops
c 518	16	59.3	595	11	G94837	G94837 S208P6418RA
519	16	59.3	596	11	G97770	G97770 S208P6360FG
c 520	16	59.3	598	6	AX305995	AX305995 Sequence
c 521	16	59.3	599	11	BV140301	BV140301 PZA00543
522	16	59.3	600	5	AY059583	AY059583 Trimeresu
c 523	16	59.3	600	11	BV140298	BV140298 PZA00543
c 524	16	59.3	601	8	AF315613	AF315613 Alectryon
c 525	16	59.3	601	11	BV140295	BV140295 PZA00543
c 526	16	59.3	601	11	BV140303	BV140303 PZA00543
c 527	16	59.3	602	11	BV140306	BV140306 PZA00543
c 528	16	59.3	606	11	BV140300	BV140300 PZA00543
c 529	16	59.3	609	8	BT012248	BT012248 Arabidops
c 530	16	59.3	612	6	AR347020	AR347020 Sequence

c 531	16	59.3	612	11	BV140313	BV140313 PZA00543
c 532	16	59.3	615	11	BV140312	BV140312 PZA00543
c 533	16	59.3	616	11	BV140314	BV140314 PZA00543
c 534	16	59.3	617	11	BV140318	BV140318 PZA00543
c 535	16	59.3	619	11	BV103553	BV103553 MARC 1475
c 536	16	59.3	620	11	BV140294	BV140294 PZA00543
c 537	16	59.3	620	11	BV140302	BV140302 PZA00543
c 538	16	59.3	624	11	BV140299	BV140299 PZA00543
c 539	16	59.3	626	11	BV140316	BV140316 PZA00543
c 540	16	59.3	629	11	BV140309	BV140309 PZA00543
541	16	59.3	630	8	AF281451	AF281451 Pezicula
c 542	16	59.3	631	11	BV140317	BV140317 PZA00543
c 543	16	59.3	634	11	BV140310	BV140310 PZA00543
c 544	16	59.3	638	11	BV140297	BV140297 PZA00543
c 545	16	59.3	638	11	BV140304	BV140304 PZA00543
c 546	16	59.3	638	11	BV140305	BV140305 PZA00543
c 547	16	59.3	638	11	BV140308	BV140308 PZA00543
c 548	16	59.3	638	11	BV140311	BV140311 PZA00543
c 549	16	59.3	638	11	BV140315	BV140315 PZA00543
c 550	16	59.3	640	11	BV140307	BV140307 PZA00543
551	16	59.3	642	6	AR545722	AR545722 Sequence
c 552	16	59.3	644	8	AF315618	AF315618 Alectryon
553	16	59.3	645	6	BD209723	BD209723 Compositi
554	16	59.3	645	6	AR341529	AR341529 Sequence
555	16	59.3	652	8	AY013884	AY013884 Antirrhin
556	16	59.3	652	8	AY013885	AY013885 Antirrhin
557	16	59.3	652	8	AY013886	AY013886 Antirrhin
558	16	59.3	652	8	AY013887	AY013887 Antirrhin
559	16	59.3	652	8	AY013888	AY013888 Antirrhin
560	16	59.3	652	8	AY013889	AY013889 Antirrhin
561	16	59.3	652	8	AY013890	AY013890 Antirrhin
562	16	59.3	653	5	AY352836	AY352836 Trimeresu
563	16	59.3	653	11	AU028938	AU028938 Rattus no
564	16	59.3	662	5	AF517214	AF517214 Trimeresu
c 565	16	59.3	671	1	UEU495711	AJ495711 Unculture
c 566	16	59.3	674	1	UEU495697	AJ495697 Unculture
c 567	16	59.3	678	8	AF315620	AF315620 Pappea ca
c 568	16	59.3	681	8	AF315608	AF315608 Alectryon
c 569	16	59.3	687	8	AF315622	AF315622 Litchi ch
570	16	59.3	688	4	AF545486	AF545486 Kogia bre
c 571	16	59.3	690	8	AF315621	AF315621 Dimocarpu
c 572	16	59.3	691	8	AF315610	AF315610 Alectryon
573	16	59.3	694	5	TCU41891	U41891 Trimeresuru
574	16	59.3	696	5	AY487066	AY487066 Coronella
c 575	16	59.3	702	6	AR383466	AR383466 Sequence
c 576	16	59.3	714	6	CQ752698	CQ752698 Sequence
577	16	59.3	714	8	AF095750	AF095750 Arabidops
578	16	59.3	714	9	HSA336437	AJ336437 Homo sapi
579	16	59.3	723	6	BD060444	BD060444 Secreted
580	16	59.3	737	8	LLCHS2	X78095 L.laccata c
c 581	16	59.3	747	6	AR354855	AR354855 Sequence
c 582	16	59.3	747	6	AR536411	AR536411 Sequence
583	16	59.3	753	6	AR274446	AR274446 Sequence
584	16	59.3	753	6	AX090098	AX090098 Sequence
585	16	59.3	755	4	AF034215	AF034215 Sus scrof
586	16	59.3	770	6	AX406009	AX406009 Sequence
587	16	59.3	773	8	AY046001	AY046001 Arabidops
588	16	59.3	786	8	AY084752	AY084752 Arabidops
c 589	16	59.3	786	10	BC037513	BC037513 Mus muscu
590	16	59.3	793	3	AF132821	AF132821 Hyalomma
591	16	59.3	795	8	AY084496	AY084496 Arabidops
592	16	59.3	814	3	AF262576	AF262576 Neotermes
c 593	16	59.3	817	8	AY219119	AY219119 Arabidops
c 594	16	59.3	828	8	MTE431000	AJ431000 Maesa ten
c 595	16	59.3	838	8	AK176897	AK176897 Arabidops
c 596	16	59.3	844	8	BSA416489	AJ416489 Boswellia
c 597	16	59.3	849	6	CQ780326	CQ780326 Sequence
c 598	16	59.3	849	6	CQ781986	CQ781986 Sequence
c 599	16	59.3	849	6	BD125035	BD125035 Primer fo
c 600	16	59.3	849	6	BD126695	BD126695 Primer fo
c 601	16	59.3	850	8	PAP416484	AJ416484 Protium a
c 602	16	59.3	851	8	GSP431066	AJ431066 Grevea sp
c 603	16	59.3	862	8	MZA431007	AJ431007 Manilkara
c 604	16	59.3	868	8	MCA431068	AJ431068 Montinia
c 605	16	59.3	875	8	BIN416480	AJ416480 Bursera i
c 606	16	59.3	876	8	PJA416483	AJ416483 Protium j
c 607	16	59.3	881	8	PNI416485	AJ416485 Protium n
c 608	16	59.3	884	8	CSP416964	AJ416964 Crepidosp
c 609	16	59.3	888	8	CHA416481	AJ416481 Commiphor
c 610	16	59.3	893	8	GFL416479	AJ416479 Garuga fl
611	16	59.3	914	11	CNS06I84	AL399962 T7 end of
612	16	59.3	933	14	AF343040	AF343040 Human her
c 613	16	59.3	934	11	G75271	G75271 MARC 10879-
c 614	16	59.3	936	6	CQ734740	CQ734740 Sequence
615	16	59.3	939	6	BD249469	BD249469 Human pro
c 616	16	59.3	941	8	BT011580	BT011580 Arabidops
617	16	59.3	942	9	CR457224	CR457224 Homo sapi
618	16	59.3	942	10	RATOLFPROC	M64377 Rat olfacto
619	16	59.3	962	5	AY186498	AY186498 Ambystoma
620	16	59.3	977	5	AY186496	AY186496 Ambystoma
621	16	59.3	978	5	AY186495	AY186495 Ambystoma
622	16	59.3	978	5	AY186500	AY186500 Ambystoma
623	16	59.3	980	5	AY186501	AY186501 Ambystoma
624	16	59.3	980	5	AY186505	AY186505 Ambystoma
625	16	59.3	982	5	AY186494	AY186494 Ambystoma
626	16	59.3	983	5	AY186509	AY186509 Ambystoma
627	16	59.3	985	5	AY186533	AY186533 Ambystoma
628	16	59.3	987	5	AY186490	AY186490 Ambystoma
629	16	59.3	992	5	AY186491	AY186491 Ambystoma
630	16	59.3	993	5	AY186506	AY186506 Ambystoma
631	16	59.3	993	5	AY186535	AY186535 Ambystoma
632	16	59.3	994	5	AY186499	AY186499 Ambystoma
633	16	59.3	994	5	AY186507	AY186507 Ambystoma
634	16	59.3	994	5	AY186510	AY186510 Ambystoma
635	16	59.3	996	5	AY186508	AY186508 Ambystoma
636	16	59.3	996	10	AY364436	AY364436 Mus muscu
637	16	59.3	1000	9	AF271386	AF271386 Homo sapi
638	15.8	58.5	25	6	AX118588	AX118588 Sequence
639	15.8	58.5	51	6	AX118589	AX118589 Sequence
640	15.8	58.5	60	6	CQ538067	CQ538067 Sequence
641	15.8	58.5	71	6	AR151289	AR151289 Sequence
642	15.8	58.5	71	6	AR360444	AR360444 Sequence
c 643	15.8	58.5	98	9	HSA412021	AJ412021 Homo sapi
644	15.8	58.5	140	6	CQ116192	CQ116192 Sequence
645	15.8	58.5	140	6	CQ350271	CQ350271 Sequence
c 646	15.8	58.5	142	10	S66868S3	S66870 platelet-de
c 647	15.8	58.5	160	6	CQ675492	CQ675492 Sequence
648	15.8	58.5	165	10	MUSADH1A3	M18474 Mouse adh-1
649	15.8	58.5	171	10	MUSADHA204	M22673 Mouse alcoh
650	15.8	58.5	191	6	CQ054327	CQ054327 Sequence
651	15.8	58.5	191	6	CQ073564	CQ073564 Sequence
652	15.8	58.5	191	6	CQ104449	CQ104449 Sequence
653	15.8	58.5	191	6	CQ143166	CQ143166 Sequence
654	15.8	58.5	191	6	CQ178653	CQ178653 Sequence
655	15.8	58.5	191	6	CQ203001	CQ203001 Sequence
656	15.8	58.5	191	6	CQ226348	CQ226348 Sequence
657	15.8	58.5	191	6	CQ264490	CQ264490 Sequence
658	15.8	58.5	191	6	CQ301586	CQ301586 Sequence
659	15.8	58.5	191	6	CQ338801	CQ338801 Sequence
660	15.8	58.5	192	8	AY072937	AY072937 Phaeospha
c 661	15.8	58.5	201	11	BV168569	BV168569 sqnm11123
c 662	15.8	58.5	211	8	SPINTS	X80578 S.pubescens
c 663	15.8	58.5	223	6	CQ675524	CQ675524 Sequence
c 664	15.8	58.5	276	11	BX322211	BX322211 Arabidops
665	15.8	58.5	285	9	HS177B11R	Z59840 H.sapiens C
c 666	15.8	58.5	297	3	PS28S297	X90681 Pseudachoru
c 667	15.8	58.5	306	11	BV103334	BV103334 MARC 1602
c 668	15.8	58.5	311	4	SSSCOASYN2	AF008431 Sus scrof
669	15.8	58.5	329	6	AX798602	AX798602 Sequence
670	15.8	58.5	330	6	AX798600	AX798600 Sequence
671	15.8	58.5	335	6	CQ686263	CQ686263 Sequence
c 672	15.8	58.5	348	6	AR273276	AR273276 Sequence
c 673	15.8	58.5	348	6	AR276857	AR276857 Sequence
c 674	15.8	58.5	348	6	AR407132	AR407132 Sequence
c 675	15.8	58.5	348	6	AR440982	AR440982 Sequence
c 676	15.8	58.5	348	6	AR543793	AR543793 Sequence

c	677	15.8	58.5	348	6	AX368309
c	678	15.8	58.5	351	9	MMU311802
	679	15.8	58.5	353	10	CSBSPRIRP
	680	15.8	58.5	355	11	G09201
	681	15.8	58.5	357	9	HSU11384
	682	15.8	58.5	368	8	AJ841193
	683	15.8	58.5	369	6	AX779590
	684	15.8	58.5	381	8	GTA388201
c	685	15.8	58.5	396	11	HSPE36G03
c	686	15.8	58.5	398	6	AX314734
c	687	15.8	58.5	401	6	CQ754113
	688	15.8	58.5	408	6	AX906007
	689	15.8	58.5	408	6	BD041540
c	690	15.8	58.5	414	11	G01424
c	691	15.8	58.5	423	11	G99054
c	692	15.8	58.5	427	6	AR136614
c	693	15.8	58.5	427	6	AR162052
c	694	15.8	58.5	427	6	AX046124
c	695	15.8	58.5	427	6	AX086002
c	696	15.8	58.5	444	6	AR417912
c	697	15.8	58.5	444	6	AX978606
c	698	15.8	58.5	444	6	BD113465
	699	15.8	58.5	445	11	G53811
	700	15.8	58.5	447	6	CQ423420
	701	15.8	58.5	451	11	G60999
	702	15.8	58.5	463	6	AX780960
c	703	15.8	58.5	471	6	AX886136
c	704	15.8	58.5	471	6	BD025746
	705	15.8	58.5	479	8	AY245796
	706	15.8	58.5	496	9	HSA336822
	707	15.8	58.5	505	10	AB024500S3
	708	15.8	58.5	513	5	AY122766
c	709	15.8	58.5	522	6	AR136619
c	710	15.8	58.5	522	6	AR162057
c	711	15.8	58.5	522	6	AX046137
c	712	15.8	58.5	525	6	AR479258
	713	15.8	58.5	526	11	G67155
	714	15.8	58.5	533	6	CQ072189
	715	15.8	58.5	533	6	CQ141760
	716	15.8	58.5	533	6	CQ177353
	717	15.8	58.5	533	6	CQ225048
	718	15.8	58.5	533	6	CQ263067
	719	15.8	58.5	533	6	CQ300099
	720	15.8	58.5	533	6	CQ337337
c	721	15.8	58.5	535	6	BD154418
	722	15.8	58.5	535	6	CQ099675
	723	15.8	58.5	535	6	CQ138660
	724	15.8	58.5	535	6	CQ334143
c	725	15.8	58.5	535	6	AX874356
c	726	15.8	58.5	540	6	AR383427
	727	15.8	58.5	543	11	BV020058
	728	15.8	58.5	549	9	CR407678
	729	15.8	58.5	551	6	AX186659
c	730	15.8	58.5	568	6	CQ103925
c	731	15.8	58.5	568	6	CQ264005
c	732	15.8	58.5	583	6	CQ071636
c	733	15.8	58.5	583	6	CQ102241
	734	15.8	58.5	583	6	CQ103211
c	735	15.8	58.5	583	6	CQ141187
c	736	15.8	58.5	583	6	CQ176838
c	737	15.8	58.5	583	6	CQ224455
c	738	15.8	58.5	583	6	CQ262478
c	739	15.8	58.5	583	6	CQ299536
c	740	15.8	58.5	583	6	CQ336673
	741	15.8	58.5	583	6	CQ337680
	742	15.8	58.5	590	11	BV000874
	743	15.8	58.5	600	3	AF125421
	744	15.8	58.5	600	3	AF125422
	745	15.8	58.5	600	3	AF125438
	746	15.8	58.5	601	11	BV184201
	747	15.8	58.5	601	11	BV184202
	748	15.8	58.5	610	11	BV210308
	749	15.8	58.5	611	6	AX389378

AX368309 Sequence
AJ311802 Macaca mu
X59439 Calomyscus
G09201 human STS C
U11384 Human AscI
AJ841193 Arabidops
AX779590 Sequence
AJ388201 Gardenia
AL033789 H.sapiens
AX314734 Sequence
CQ754113 Sequence
AX906007 Sequence
BD041540 Sequence
G01424 Dm0160 Dros
G99054 S209P6411RA
AR136614 Sequence
AR162052 Sequence
AX046124 Sequence
AX086002 Sequence
AR417912 Sequence
AX978606 Sequence
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G53811 SHGC-84249
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ALIGNMENTS

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DEFINITION  Sequence 6 from Patent EP1321530.
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VERSION     AX781568.1  GI:32949415
KEYWORDS    .
SOURCE      Escherichia coli
  ORGANISM  Escherichia coli
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            Enterobacteriaceae; Escherichia.
REFERENCE   1
  AUTHORS   Liu,L.Y., Chung,T.Y. and Terng,H.J.
  TITLE     Method for detecting Escherichia coli
  JOURNAL   Patent: EP 1321530-A 6 25-JUN-2003;
            Dr. Chip Biotechnology Incorporation (TW)
FEATURES             Location/Qualifiers
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ORIGIN

  Query Match           100.0%;  Score 27;  DB 6;  Length 27;
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Qy          1 AAAACACCTCTTCCTGCGATTTCTCAC 27
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Db          1 AAAACACCTCTTCCTGCGATTTCTCAC 27


RESULT 2
AX998225
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DEFINITION  Sequence 9688 from Patent EP1260592.
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VERSION     AX998225.1  GI:41004571
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SOURCE      Escherichia coli
  ORGANISM  Escherichia coli
            Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
            Enterobacteriaceae; Escherichia.
REFERENCE   1
  AUTHORS   Donner,H., Drescher,B., Huber,A. and Weber,J.
  TITLE     Biochip
  JOURNAL   Patent: EP 1260592-A 9688 27-NOV-2002;
            MWG -Biotech AG (DE)
FEATURES             Location/Qualifiers
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ORIGIN

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  Best Local Similarity  96.3%;  Pred. No. 4.7;
  Matches   26;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 AAAACACCTCTTCCTGCGATTTCTCAC 27
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RESULT 3
AX998226
LOCUS       AX998226                 100 bp    DNA     linear   PAT 16-JAN-2004
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ACCESSION   AX998226
VERSION     AX998226.1  GI:41004572
KEYWORDS    .
SOURCE      Escherichia coli
  ORGANISM  Escherichia coli
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REFERENCE   1
  AUTHORS   Donner,H., Drescher,B., Huber,A. and Weber,J.
  TITLE     Biochip
  JOURNAL   Patent: EP 1260592-A 9689 27-NOV-2002;
            MWG -Biotech AG (DE)
FEATURES             Location/Qualifiers
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ORIGIN

  Query Match           94.1%;  Score 25.4;  DB 6;  Length 100;
  Best Local Similarity  96.3%;  Pred. No. 4.7;
  Matches   26;  Conservative    0;  Mismatches    1;  Indels    0;  Gaps    0;

Qy          1 AAAACACCTCTTCCTGCGATTTCTCAC 27
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RESULT 4
AX998224
LOCUS       AX998224                 100 bp    DNA     linear   PAT 16-JAN-2004
DEFINITION  Sequence 9687 from Patent EP1260592.
ACCESSION   AX998224
VERSION     AX998224.1  GI:41004570
KEYWORDS    .
SOURCE      Escherichia coli
  ORGANISM  Escherichia coli
            Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
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GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: April 15, 2005, 22:45:27 ; Search time 210.953 Seconds
(without alignments)
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Title: US-10-025-137B-6
Perfect score: 27
Sequence: 1 aaaacacctcttcctgcgatttctcac 27

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 4390206 seqs, 2959870667 residues

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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

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	4	20.4	75.6	100	8	ACD78411	Acd78411 E. coli K
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Ach68255 Human gen
Abq20065 Oligonucl
Abq20064 Oligonucl
Abq17935 Oligonucl
Abq17934 Oligonucl
Ade58448 Rat gene
Ach70930 Human gen
Abx60670 Arabidops
Abx56993 Arabidops
Abk77524 Bacillus
Aac77726 Human can
Aah33142 Human col
Aah12950 Human cDN
Abv98742 Human pan
Aal20616 Human bre
Abv29150 Human pro
Abv23303 Human pro
Aai60963 Human pol
Abq46539 Oligonucl
Abq46538 Oligonucl
Acn81925 Breast ca
Acf73065 Staphyloc
Aaf93980 Primer sp
Aaz29234 Human cel
Acf72915 Staphyloc
Aai95813 Human neu
Aai58557 Human pol
Adq98774 DNA encod
Adb48534 Novel hum

c 240	16.4	60.7	822	8	ADA71146	Ada71146 Rice gene
c 241	16.4	60.7	842	4	AAK93895	Aak93895 Human cDN
c 242	16.4	60.7	842	4	AAK92357	Aak92357 Human cDN
c 243	16.4	60.7	842	12	ADL30322	Adl30322 3' end of
c 244	16.4	60.7	842	12	ADL28784	Adl28784 5' end of
c 245	16.4	60.7	900	8	ACA29371	Aca29371 Prokaryot
c 246	16.4	60.7	942	2	AAV74842	Aav74842 Staphyloc
247	16.4	60.7	976	2	AAQ47085	Aaq47085 O. sativa
248	16.2	60.0	125	12	ACH88522	Ach88522 Human gen
c 249	16.2	60.0	128	4	ABA71484	Aba71484 Human foe
c 250	16.2	60.0	128	4	AAI51752	Aai51752 Probe #20
c 251	16.2	60.0	128	4	ABA37679	Aba37679 Probe #16
c 252	16.2	60.0	128	4	AAK45827	Aak45827 Human bon
c 253	16.2	60.0	128	4	AAK19806	Aak19806 Human bra
c 254	16.2	60.0	128	4	ABS45522	Abs45522 Human liv
c 255	16.2	60.0	128	6	ABS20110	Abs20110 Human gen
256	16.2	60.0	129	4	AAI19803	Aai19803 Probe #97
257	16.2	60.0	129	4	ABA64830	Aba64830 Human foe
258	16.2	60.0	129	4	AAI44998	Aai44998 Probe #13
259	16.2	60.0	129	4	ABA46949	Aba46949 Human bre
260	16.2	60.0	129	4	ABA31946	Aba31946 Probe #10
261	16.2	60.0	129	4	AAK38993	Aak38993 Human bon
262	16.2	60.0	129	4	AAK13259	Aak13259 Human bra
263	16.2	60.0	129	4	ABS38580	Abs38580 Human liv
264	16.2	60.0	129	5	AAI05519	Aai05519 Probe #55
265	16.2	60.0	129	6	ABS13077	Abs13077 Human gen
c 266	16.2	60.0	189	12	ACH84220	Ach84220 Human gen
c 267	16.2	60.0	197	6	ABN23625	Abn23625 Human ORF
c 268	16.2	60.0	221	3	AAC18206	Aac18206 Human sec
269	16.2	60.0	279	12	ACH86752	Ach86752 Human gen
270	16.2	60.0	332	9	ACH27741	Ach27741 Human adu
c 271	16.2	60.0	367	8	ABX51853	Abx51853 Bovine ES
c 272	16.2	60.0	382	10	ADF81277	Adf81277 Leukaemia
273	16.2	60.0	384	10	ADM07295	Adm07295 Canine im
c 274	16.2	60.0	405	6	ABK78001	Abk78001 Bacillus
c 275	16.2	60.0	416	8	ABX51697	Abx51697 Bovine ES
c 276	16.2	60.0	417	8	ABX51347	Abx51347 Bovine ES
c 277	16.2	60.0	420	2	AAQ12155	Aaq12155 Factor Xa
c 278	16.2	60.0	436	5	ABV16288	Abv16288 Human pro
c 279	16.2	60.0	439	3	AAC40110	Aac40110 Arabidops
c 280	16.2	60.0	468	4	ABA58956	Aba58956 Human foe
c 281	16.2	60.0	468	4	AAI38673	Aai38673 Probe #73
c 282	16.2	60.0	468	4	ABA27815	Aba27815 Probe #62
c 283	16.2	60.0	468	4	AAK32860	Aak32860 Human bon
c 284	16.2	60.0	468	4	AAK07118	Aak07118 Human bra
c 285	16.2	60.0	468	4	ABS32586	Abs32586 Human liv
c 286	16.2	60.0	468	6	ABS07664	Abs07664 Human gen
c 287	16.2	60.0	479	10	ADF82647	Adf82647 Leukaemia
288	16.2	60.0	504	12	ACH74822	Ach74822 Human gen
c 289	16.2	60.0	518	5	ABV46086	Abv46086 Human pro
290	16.2	60.0	522	12	ACH73021	Ach73021 Human gen
c 291	16.2	60.0	530	10	ABX57491	Abx57491 Arabidops
c 292	16.2	60.0	540	12	ACH70520	Ach70520 Human gen
293	16.2	60.0	572	12	ACH74465	Ach74465 Human gen
294	16.2	60.0	597	13	ACN58224	Acn58224 Cotton gy
c 295	16.2	60.0	612	8	ACA24773	Aca24773 Prokaryot
296	16.2	60.0	615	5	ABV52252	Abv52252 Human pro
c 297	16.2	60.0	692	3	AAC37126	Aac37126 Arabidops
c 298	16.2	60.0	695	4	AAH34619	Aah34619 Human col
299	16.2	60.0	697	4	ABL14317	Abl14317 Drosophil
c 300	16.2	60.0	716	6	ABQ32384	Abq32384 Oligonucl
301	16.2	60.0	716	6	ABQ32385	Abq32385 Oligonucl
c 302	16.2	60.0	768	6	ABL56210	Abl56210 AmEPV 30K
c 303	16.2	60.0	779	6	ABQ56229	Abq56229 Human ova
c 304	16.2	60.0	825	5	AAS83086	Aas83086 DNA encod
c 305	16.2	60.0	885	2	AAT61957	Aat61957 Mouse sol
c 306	16.2	60.0	924	2	AAT61958	Aat61958 Mouse sol
c 307	16.2	60.0	981	9	ADA02596	Ada02596 Human BMI
c 308	16.2	60.0	981	10	ADB72334	Adb72334 Human BMI
c 309	16.2	60.0	981	10	ADE95844	Ade95844 Human BMI
c 310	16	59.3	233	6	ABK80776	Abk80776 Bacillus
c 311	16	59.3	278	2	AAV86660	Aav86660 EST clone
c 312	16	59.3	321	5	AAF68512	Aaf68512 Human lun
c 313	16	59.3	321	6	ABK38423	Abk38423 cDNA enco
c 314	16	59.3	321	8	ACA10752	Aca10752 Human lun
c 315	16	59.3	321	8	ABX99703	Abx99703 Lung canc
c 316	16	59.3	321	10	ADH45966	Adh45966 Human lun
c 317	16	59.3	321	12	ADE71718	Ade71718 Human lun
c 318	16	59.3	321	13	ADJ19885	Adj19885 Human lun
319	16	59.3	331	2	AAQ61440	Aaq61440 Human bra
c 320	16	59.3	338	4	AAI82593	Aai82593 Human pol
321	16	59.3	355	4	AAH98879	Aah98879 Human EST
c 322	16	59.3	383	4	AAL25513	Aal25513 Human bre
c 323	16	59.3	394	4	AAL07767	Aal07767 Human bre
c 324	16	59.3	405	4	AAI83625	Aai83625 Human pol
325	16	59.3	433	9	ACH47161	Ach47161 Human inf
326	16	59.3	436	3	AAC05468	Aac05468 Human sec
c 327	16	59.3	440	6	ABL94160	Abl94160 Arabidops
328	16	59.3	447	6	AAI72276	Aai72276 7018 larg
c 329	16	59.3	470	4	AAL16670	Aal16670 Human bre
c 330	16	59.3	470	9	ACH36379	Ach36379 Human end
331	16	59.3	476	13	ADQ54172	Adq54172 Novel can
c 332	16	59.3	486	11	ADT96727	Adt96727 Colon can
c 333	16	59.3	496	6	ABA92987	Aba92987 Human cDN
334	16	59.3	499	3	AAA81914	Aaa81914 N. mening
335	16	59.3	511	3	AAC52173	Aac52173 Arabidops
c 336	16	59.3	548	13	ACN62028	Acn62028 Cotton gy
c 337	16	59.3	549	12	ACH67599	Ach67599 Human gen
338	16	59.3	552	13	ADQ53032	Adq53032 Novel can
339	16	59.3	565	5	AAS73731	Aas73731 DNA encod
340	16	59.3	575	13	ADQ54243	Adq54243 Novel can
c 341	16	59.3	593	13	ACN53481	Acn53481 Cotton an
c 342	16	59.3	598	6	ABI99700	Abi99700 Mouse isc
c 343	16	59.3	612	10	ADC92004	Adc92004 E. faeciu
344	16	59.3	619	12	ACH87038	Ach87038 Human gen
345	16	59.3	622	11	ACN86465	Acn86465 Breast ca
346	16	59.3	645	3	AAZ61800	Aaz61800 cDNA frag
347	16	59.3	645	4	AAC99733	Aac99733 Skin cell
348	16	59.3	645	6	ABL34885	Abl34885 Murine cD
349	16	59.3	647	3	AAC76008	Aac76008 Human ORF
350	16	59.3	681	12	ADP86495	Adp86495 Mouse gel
351	16	59.3	683	3	AAC52177	Aac52177 Arabidops
c 352	16	59.3	702	11	ACH94400	Ach94400 Klebsiell
353	16	59.3	714	12	ADP86494	Adp86494 Mouse gel
354	16	59.3	723	2	AAV88326	Aav88326 EST clone
c 355	16	59.3	747	2	AAV75284	Aav75284 Staphyloc
356	16	59.3	753	4	AAD03212	Aad03212 700265029
357	16	59.3	770	6	ABN60013	Abn60013 Novel hum
358	16	59.3	786	3	AAC36386	Aac36386 Arabidops
c 359	16	59.3	849	4	AAK93666	Aak93666 Human cDN
c 360	16	59.3	849	4	AAK92006	Aak92006 Human cDN
c 361	16	59.3	849	12	ADL28433	Adl28433 5' end of
c 362	16	59.3	849	12	ADL30093	Adl30093 3' end of
c 363	16	59.3	861	8	ACA23130	Aca23130 Prokaryot
364	16	59.3	939	3	AAA15916	Aaa15916 Human pro
365	16	59.3	941	2	AAQ29856	Aaq29856 Odorant r
366	16	59.3	942	10	ADI04938	Adi04938 Rat odora
c 367	16	59.3	984	8	ACA29185	Aca29185 Prokaryot
368	15.8	58.5	19	13	ADR78977	Adr78977 Human apo
369	15.8	58.5	19	13	ADR76359	Adr76359 Human apo
370	15.8	58.5	25	4	AAH40915	Aah40915 SNP speci
371	15.8	58.5	30	8	ACD26541	Acd26541 Equine in
c 372	15.8	58.5	47	2	AAX52578	Aax52578 Human gen
c 373	15.8	58.5	47	3	AAZ67176	Aaz67176 Human map
374	15.8	58.5	51	4	AAH40916	Aah40916 Human SNP
375	15.8	58.5	60	6	ABN34954	Abn34954 Human spl
376	15.8	58.5	71	4	AAF56867	Aaf56867 Tenascin-
377	15.8	58.5	140	4	AAI56365	Aai56365 Probe #25
378	15.8	58.5	140	4	AAK24374	Aak24374 Human bra
379	15.8	58.5	191	4	AAI19431	Aai19431 Probe #93
380	15.8	58.5	191	4	ABA64446	Aba64446 Human foe
381	15.8	58.5	191	4	AAI44622	Aai44622 Probe #13
382	15.8	58.5	191	4	ABA46583	Aba46583 Human bre
383	15.8	58.5	191	4	ABA31583	Aba31583 Probe #10
384	15.8	58.5	191	4	AAK38631	Aak38631 Human bon
385	15.8	58.5	191	4	AAK12904	Aak12904 Human bra

386	15.8	58.5	191	4	ABS38197
387	15.8	58.5	191	5	AAI05156
388	15.8	58.5	191	6	ABS12700
389	15.8	58.5	285	3	ADF56903
c 390	15.8	58.5	286	12	ADQ04554
c 391	15.8	58.5	316	4	AAL03471
c 392	15.8	58.5	322	4	AAS31302
c 393	15.8	58.5	322	4	ABK43794
c 394	15.8	58.5	322	6	ABQ66626
c 395	15.8	58.5	322	10	ADC10648
c 396	15.8	58.5	322	12	ADI54181
c 397	15.8	58.5	326	4	AAL00366
398	15.8	58.5	329	10	ADF30868
399	15.8	58.5	330	10	ADF30866
c 400	15.8	58.5	336	12	ADO62653
c 401	15.8	58.5	346	6	ABQ85897
c 402	15.8	58.5	348	6	ABK38981
c 403	15.8	58.5	348	8	ACA11310
c 404	15.8	58.5	348	8	ACA02496
c 405	15.8	58.5	348	10	ADH46538
c 406	15.8	58.5	348	10	ACF72221
c 407	15.8	58.5	348	13	ADJ20457
408	15.8	58.5	369	10	ADF81191
c 409	15.8	58.5	398	6	ABN78913
410	15.8	58.5	405	5	AAH94211
411	15.8	58.5	408	3	AAC17795
412	15.8	58.5	414	8	ABX36093
c 413	15.8	58.5	427	3	AAC64705
c 414	15.8	58.5	427	4	AAD10424
c 415	15.8	58.5	427	5	AAF77274
416	15.8	58.5	428	4	AAK59348
417	15.8	58.5	446	3	AAC76724
418	15.8	58.5	447	4	AAL15989
c 419	15.8	58.5	448	9	ACH39753
420	15.8	58.5	456	9	ACH24073
421	15.8	58.5	458	13	ACN50059
422	15.8	58.5	463	6	ABL93595
423	15.8	58.5	463	10	ADF82561
c 424	15.8	58.5	471	3	AAC02001
425	15.8	58.5	480	9	ACH23716
426	15.8	58.5	486	9	ACH23181
c 427	15.8	58.5	486	9	ACH44970
428	15.8	58.5	489	9	ACH28021
429	15.8	58.5	493	9	ACH38408
c 430	15.8	58.5	506	3	AAC36884
431	15.8	58.5	511	9	ACH38516
c 432	15.8	58.5	522	3	AAC64710
c 433	15.8	58.5	522	4	AAD10429
434	15.8	58.5	533	4	AAI18056
435	15.8	58.5	533	4	ABA63023
436	15.8	58.5	533	4	ABA30283
437	15.8	58.5	533	4	AAK37225
438	15.8	58.5	533	4	AAK11440
439	15.8	58.5	533	4	ABS36897
440	15.8	58.5	533	6	ABS11213
441	15.8	58.5	535	4	AAI39848
442	15.8	58.5	535	4	AAK34125
443	15.8	58.5	535	4	AAK08246
c 444	15.8	58.5	535	4	AAH12426
c 445	15.8	58.5	540	11	ACH94361
446	15.8	58.5	540	13	ACN48083
c 447	15.8	58.5	546	13	ADQ50286
c 448	15.8	58.5	546	13	ADR92515
449	15.8	58.5	548	6	ABQ29487
c 450	15.8	58.5	548	6	ABQ29486
451	15.8	58.5	551	4	AAH71080
452	15.8	58.5	562	11	ACN88755
c 453	15.8	58.5	568	4	ABA63961
c 454	15.8	58.5	568	4	AAI44098
c 455	15.8	58.5	572	12	ACH68910
c 456	15.8	58.5	572	13	ACN46356
c 457	15.8	58.5	573	6	ABQ14678
458	15.8	58.5	573	6	ABQ14679

Abs38197 Human liv
Aai05156 Probe #51
Abs12700 Human gen
Adf56903 Urogenita
Adq04554 Maize tra
Aal03471 Human rep
Aas31302 Human cDN
Abk43794 DNA encod
Abq66626 Human pol
Adc10648 Human cDN
Adi54181 cDNA enco
Aal00366 Human rep
Adf30868 Soil meta
Adf30866 Soil meta
Ado62653 Transcrip
Abq85897 Arabidops
Abk38981 cDNA enco
Aca11310 Human lun
Aca02496 Lung canc
Adh46538 Human lun
Acf72221 Photorhab
Adj20457 Human lun
Adf81191 Leukaemia
Abn78913 Human ORF
Aah94211 Human foe
Aac17795 Human sec
Abx36093 Bovine ES
Aac64705 Mouse SmL
Aad10424 Mouse smo
Aaf77274 Human SmL
Aak59348 Human imm
Aac76724 Human ORF
Aal15989 Human bre
Ach39753 Human foe
Ach24073 Human adu
Acn50059 Cotton pr
Abl93595 Arabidops
Adf82561 Leukaemia
Aac02001 Human sec
Ach23716 Human adu
Ach23181 Human adu
Ach44970 Human foe
Ach28021 Human adu
Ach38408 Human end
Aac36884 Arabidops
Ach38516 Human end
Aac64710 SmLIM/CRP
Aad10429 Mouse m-S
Aai18056 Probe #79
Aba63023 Human foe
Aba30283 Probe #87
Aak37225 Human bon
Aak11440 Human bra
Abs36897 Human liv
Abs11213 Human gen
Aai39848 Probe #85
Aak34125 Human bon
Aak08246 Human bra
Aah12426 Human cDN
Ach94361 Klebsiell
Acn48083 Cotton pr
Adq50286 Novel can
Adr92515 Novel S.
Abq29487 Oligonucl
Abq29486 Oligonucl
Aah71080 Human cer
Acn88755 Breast ca
Aba63961 Human foe
Aai44098 Probe #12
Ach68910 Human gen
Acn46356 Cotton pr
Abq14678 Oligonucl
Abq14679 Oligonucl

c 459	15.8	58.5	573	6	ABN90838
c 460	15.8	58.5	573	13	ADS00975
461	15.8	58.5	576	10	ACF70017
462	15.8	58.5	582	11	ACN92465
c 463	15.8	58.5	583	4	AAI17503
c 464	15.8	58.5	583	4	ABA62434
465	15.8	58.5	583	4	AAI43384
c 466	15.8	58.5	583	4	AAI42414
c 467	15.8	58.5	583	4	ABA29768
c 468	15.8	58.5	583	4	AAK36652
c 469	15.8	58.5	583	4	AAK10776
470	15.8	58.5	583	4	AAK11783
c 471	15.8	58.5	583	4	ABS36304
c 472	15.8	58.5	583	6	ABS10650
c 473	15.8	58.5	586	13	ACN50193
474	15.8	58.5	591	6	ABQ27187
c 475	15.8	58.5	591	6	ABQ27186
476	15.8	58.5	592	4	AAL06992
c 477	15.8	58.5	593	6	ABQ39120
478	15.8	58.5	593	6	ABQ39121
479	15.8	58.5	604	6	ABT10028
480	15.8	58.5	611	6	ABN64339
c 481	15.8	58.5	613	6	ABQ66277
482	15.8	58.5	622	3	AAC73897
483	15.8	58.5	622	10	ABZ67067
484	15.8	58.5	623	6	ABL78518
c 485	15.8	58.5	652	13	ADR13522
c 486	15.8	58.5	654	13	ADR13520
c 487	15.8	58.5	658	13	ADR13518
c 488	15.8	58.5	672	13	ADR13510
c 489	15.8	58.5	676	10	ACF65870
490	15.8	58.5	689	12	ADQ18377
491	15.8	58.5	697	3	AAF14410
c 492	15.8	58.5	709	13	ADR13511
c 493	15.8	58.5	720	4	ABK43477
c 494	15.8	58.5	720	12	ADI53864
495	15.8	58.5	766	4	ABL29939
496	15.8	58.5	776	12	ADM80825
c 497	15.8	58.5	788	10	ACF66269
498	15.8	58.5	802	12	ADO62652
c 499	15.8	58.5	837	13	ADS50734
c 500	15.8	58.5	846	5	ABA11163
c 501	15.8	58.5	847	8	ABZ51699
c 502	15.8	58.5	868	13	ADR13514
c 503	15.8	58.5	870	6	ABQ30786
504	15.8	58.5	870	6	ABQ30787
c 505	15.8	58.5	874	12	ADO63196
506	15.8	58.5	895	4	AAL24833
507	15.8	58.5	901	11	ACN85950
508	15.8	58.5	906	3	AAC42854
c 509	15.8	58.5	906	6	ABI99211
510	15.8	58.5	924	3	AAC50781
511	15.8	58.5	936	5	AAS74068
512	15.8	58.5	939	5	ADL63534
c 513	15.8	58.5	948	10	ACF69648
514	15.8	58.5	959	1	AAN71005
c 515	15.8	58.5	961	12	ADM86926
516	15.8	58.5	970	6	ABQ15627
c 517	15.8	58.5	970	6	ABQ15626
c 518	15.8	58.5	978	3	AAC41730
519	15.8	58.5	993	10	ABZ37824
520	15.8	58.5	993	10	ABZ38262
521	15.6	57.8	139	3	AAA43460
522	15.6	57.8	162	6	ABN69677
c 523	15.6	57.8	167	12	ACH90276
524	15.6	57.8	194	8	ABX51377
c 525	15.6	57.8	205	3	AAC05651
526	15.6	57.8	231	7	ADS67485
527	15.6	57.8	243	7	ADS67269
528	15.6	57.8	254	7	ADS67567
529	15.6	57.8	257	7	ADS65320
530	15.6	57.8	281	10	ABX84774
c 531	15.6	57.8	286	10	ABX82514

Abn90838 Staphyloc
Ads00975 Staphyloc
Acf70017 Photorhab
Acn92465 Breast ca
Aai17503 Probe #74
Aba62434 Human foe
Aai43384 Probe #12
Aai42414 Probe #11
Aba29768 Probe #82
Aak36652 Human bon
Aak10776 Human bra
Aak11783 Human bra
Abs36304 Human liv
Abs10650 Human gen
Acn50193 Cotton no
Abq27187 Oligonucl
Abq27186 Oligonucl
Aal06992 Human rep
Abq39120 Oligonucl
Abq39121 Oligonucl
Abt10028 Human bre
Abn64339 Human can
Abq66277 Arabidops
Aac73897 Human sec
Abz67067 Human sec
Abl78518 Human ova
Adr13522 Human can
Adr13520 Human can
Adr13518 Human can
Adr13510 Human can
Acf65870 Photorhab
Adq18377 Human sof
Aaf14410 Aspergill
Adr13511 Human can
Abk43477 DNA encod
Adi53864 cDNA enco
Abl29939 Drosophil
Adm80825 Human CAD
Acf66269 Photorhab
Ado62652 Transcrip
Ads50734 Bacterial
Aba11163 Human ner
Abz51699 Aspergill
Adr13514 Human can
Abq30786 Oligonucl
Abq30787 Oligonucl
Ado63196 Transcrip
Aal24833 Human bre
Acn85950 Breast ca
Aac42854 Arabidops
Abi99211 Mouse isc
Aac50781 Arabidops
Aas74068 DNA encod
Adl63534 Human ova
Acf69648 Photorhab
Aan71005 Sequence
Adm86926 Human pro
Abq15627 Oligonucl
Abq15626 Oligonucl
Aac41730 Arabidops
Abz37824 N. gonorr
Abz38262 N. gonorr
Aaa43460 Mouse sec
Abn69677 Streptoco
Ach90276 Human gen
Abx51377 Bovine ES
Aac05651 Human sec
Ads67485 Corn seed
Ads67269 Corn seed
Ads67567 Corn seed
Ads65320 Corn seed
Abx84774 Corn ear-
Abx82514 Corn ear-

	532	15.6	57.8	287	12	ADQ05692 Adq05692 Soybean z
	533	15.6	57.8	296	5	AAS89485 Aas89485 DNA encod
c	534	15.6	57.8	323	6	ABN19365 Abn19365 Human ORF
c	535	15.6	57.8	332	2	AAV87887 Aav87887 EST clone
c	536	15.6	57.8	332	2	AAV90507 Aav90507 EST clone
	537	15.6	57.8	347	5	AAS68402 Aas68402 DNA encod
	538	15.6	57.8	375	6	ABL99688 Abl99688 Toxicolog
	539	15.6	57.8	375	6	ABL99744 Abl99744 Previousl
c	540	15.6	57.8	407	4	AAL01362 Aal01362 Human rep
c	541	15.6	57.8	407	4	ABL96815 Abl96815 Human tes
	542	15.6	57.8	407	9	ACH46302 Ach46302 Human inf
c	543	15.6	57.8	419	2	AAT85691 Aat85691 Pyrococcu
c	544	15.6	57.8	438	10	ADC92653 Adc92653 E. faeciu
	545	15.6	57.8	446	5	AAS68403 Aas68403 DNA encod
	546	15.6	57.8	462	9	ACH42460 Ach42460 Human foe
c	547	15.6	57.8	464	6	AAS61489 Aas61489 Lung smal
c	548	15.6	57.8	466	9	ACH42130 Ach42130 Human foe
	549	15.6	57.8	466	10	ADG37777 Adg37777 Aspergill
	550	15.6	57.8	467	9	ACH46450 Ach46450 Human inf
c	551	15.6	57.8	468	4	AAK57419 Aak57419 Human imm
	552	15.6	57.8	474	9	ACH28802 Ach28802 Human adu
	553	15.6	57.8	476	3	AAC98885 Aac98885 Human pan
	554	15.6	57.8	480	9	ACH42395 Ach42395 Human foe
c	555	15.6	57.8	490	8	ABZ54276 Abz54276 Aspergill
c	556	15.6	57.8	491	3	AAC79301 Aac79301 Human lun
c	557	15.6	57.8	491	4	AAD23377 Aad23377 Human lun
c	558	15.6	57.8	491	10	ADD66651 Add66651 Human lun
c	559	15.6	57.8	491	10	ADE87905 Ade87905 Human lun
c	560	15.6	57.8	512	3	AAC07502 Aac07502 Human sec
c	561	15.6	57.8	521	13	ACN59655 Acn59655 Cotton gy
	562	15.6	57.8	521	13	ACN57570 Acn57570 Cotton gy
c	563	15.6	57.8	522	12	ADK90692 Adk90692 Thale cre
	564	15.6	57.8	524	13	ACN53721 Acn53721 Cotton an
c	565	15.6	57.8	526	12	ACH76576 Ach76576 Human gen
	566	15.6	57.8	533	4	ABA60757 Aba60757 Human foe
	567	15.6	57.8	533	4	AAI40649 Aai40649 Probe #93
	568	15.6	57.8	533	4	AAK34933 Aak34933 Human bon
	569	15.6	57.8	533	4	AAK09042 Aak09042 Human bra
	570	15.6	57.8	533	4	ABS34688 Abs34688 Human liv
	571	15.6	57.8	542	5	ABV57353 Abv57353 Human pro
c	572	15.6	57.8	559	13	ACN48874 Acn48874 Cotton pr
	573	15.6	57.8	567	13	ACN53028 Acn53028 Cotton an
c	574	15.6	57.8	570	8	ABX14330 Abx14330 cDNA enco
	575	15.6	57.8	578	9	ACL23893 Acl23893 DNA clone
c	576	15.6	57.8	589	13	ACN57480 Acn57480 Cotton gy
c	577	15.6	57.8	603	13	ACN52382 Acn52382 Cotton an
c	578	15.6	57.8	606	6	ABN19216 Abn19216 Human ORF
	579	15.6	57.8	612	9	ACL23886 Acl23886 DNA clone
c	580	15.6	57.8	612	13	ADQ53137 Adq53137 Novel can
c	581	15.6	57.8	615	6	ABN67741 Abn67741 Streptoco
c	582	15.6	57.8	615	8	ACA50743 Aca50743 Prokaryot
c	583	15.6	57.8	619	6	ABK44477 Abk44477 cDNA enco
	584	15.6	57.8	623	13	ADQ49492 Adq49492 Novel can
	585	15.6	57.8	639	4	AAS64083 Aas64083 Human pro
	586	15.6	57.8	639	5	ACA59891 Aca59891 Prostate
	587	15.6	57.8	639	6	ABL95454 Abl95454 Human pro
	588	15.6	57.8	639	8	ACC95618 Acc95618 Prostate
	589	15.6	57.8	639	10	ADB14200 Adb14200 Human pro
	590	15.6	57.8	639	10	ADG26616 Adg26616 Human pro
c	591	15.6	57.8	641	13	ACN54094 Acn54094 Cotton an
c	592	15.6	57.8	644	13	ADQ78663 Adq78663 Novel can
	593	15.6	57.8	647	6	ABQ65978 Abq65978 Arabidops
	594	15.6	57.8	652	4	AAL22537 Aal22537 Human bre
	595	15.6	57.8	659	9	ACL23891 Acl23891 DNA clone
c	596	15.6	57.8	662	6	ABK75562 Abk75562 Bacillus
	597	15.6	57.8	666	9	ACL23890 Acl23890 DNA clone
c	598	15.6	57.8	675	8	ABX12673 Abx12673 cDNA enco
c	599	15.6	57.8	699	13	ADR92301 Adr92301 Novel S.
	600	15.6	57.8	700	4	AAH92076 Aah92076 Human inf
	601	15.6	57.8	700	4	AAH92077 Aah92077 Human inf
	602	15.6	57.8	737	6	ABS77318 Abs77318 Frog embr
c	603	15.6	57.8	765	13	ADR65738 Adr65738 Cotton cD
c	604	15.6	57.8	780	12	ADN00766 Adn00766 Human RUV
c	605	15.6	57.8	797	6	ABK34450 Abk34450 Human cDN
	606	15.6	57.8	802	12	ADI67061 Adi67061 Novel Lac
c	607	15.6	57.8	823	6	ABK73195 Abk73195 Bacillus
c	608	15.6	57.8	828	5	AAS81722 Aas81722 DNA encod
c	609	15.6	57.8	876	8	ACA52495 Aca52495 Prokaryot
c	610	15.6	57.8	882	11	ACH98300 Ach98300 Klebsiell
	611	15.6	57.8	886	6	ABI99568 Abi99568 Mouse isc
	612	15.6	57.8	892	13	ADS50896 Ads50896 Bacterial
	613	15.6	57.8	947	4	ABL02265 Abl02265 Drosophil
c	614	15.6	57.8	954	8	ACA27813 Aca27813 Prokaryot
c	615	15.6	57.8	966	3	AAC34226 Aac34226 Arabidops
c	616	15.6	57.8	984	6	ABQ69809 Abq69809 Listeria
c	617	15.6	57.8	984	6	ABQ68114 Abq68114 Listeria
c	618	15.6	57.8	984	8	ACA36535 Aca36535 Prokaryot
c	619	15.4	57.0	65	6	ABN53954 Abn53954 Mouse spl
c	620	15.4	57.0	107	6	ABK76914 Abk76914 Bacillus
c	621	15.4	57.0	121	12	ADK92135 Adk92135 Polynucle
	622	15.4	57.0	146	3	AAC09099 Aac09099 Human sec
c	623	15.4	57.0	176	10	ACD97969 Acd97969 Human col
	624	15.4	57.0	185	12	ACH82948 Ach82948 Human gen
c	625	15.4	57.0	192	6	ABL85146 Abl85146 Human ova
	626	15.4	57.0	234	10	ABZ40128 Abz40128 N. gonorr
	627	15.4	57.0	239	4	AAI27259 Aai27259 Probe #17
	628	15.4	57.0	239	4	AAI56119 Aai56119 Probe #24
	629	15.4	57.0	239	4	ABA40160 Aba40160 Probe #18
	630	15.4	57.0	239	4	AAK50180 Aak50180 Human bon
	631	15.4	57.0	239	4	AAK24121 Aak24121 Human bra
	632	15.4	57.0	239	4	ABS49810 Abs49810 Human liv
	633	15.4	57.0	239	6	ABS23656 Abs23656 Human gen
c	634	15.4	57.0	284	13	ADR30516 Adr30516 Mouse gen
c	635	15.4	57.0	287	13	ACN50867 Acn50867 Cotton an
	636	15.4	57.0	300	12	ADF08348 Adf08348 Subacute
c	637	15.4	57.0	302	5	ABV18185 Abv18185 Human pro
	638	15.4	57.0	302	10	ADE87192 Ade87192 Human pan
c	639	15.4	57.0	306	6	ABN17142 Abn17142 Human ORF
c	640	15.4	57.0	308	5	ABA18869 Aba18869 Human ner
	641	15.4	57.0	309	10	ADE87193 Ade87193 Human pan
c	642	15.4	57.0	312	8	ACA32256 Aca32256 Prokaryot
c	643	15.4	57.0	321	5	ABA13078 Aba13078 Human ner
	644	15.4	57.0	322	8	ABX42810 Abx42810 Bovine ES
c	645	15.4	57.0	332	3	AAA44731 Aaa44731 Human sec
c	646	15.4	57.0	341	5	ABV47973 Abv47973 Human pro
c	647	15.4	57.0	342	6	ABQ85957 Abq85957 Arabidops
	648	15.4	57.0	363	4	AAI80029 Aai80029 Human pol
c	649	15.4	57.0	367	13	ADR30259 Adr30259 Mouse gen
	650	15.4	57.0	371	9	ACH45975 Ach45975 Human inf
	651	15.4	57.0	374	9	ACH46453 Ach46453 Human inf
	652	15.4	57.0	379	9	ACH45968 Ach45968 Human inf
	653	15.4	57.0	379	9	ACH45976 Ach45976 Human inf
	654	15.4	57.0	390	9	ADA60012 Ada60012 Soybean f
c	655	15.4	57.0	392	3	AAA31814 Aaa31814 Plant mic
c	656	15.4	57.0	394	3	AAC40799 Aac40799 Arabidops
	657	15.4	57.0	396	9	ACH20655 Ach20655 Human adu
c	658	15.4	57.0	401	3	AAA31663 Aaa31663 Plant mic
c	659	15.4	57.0	401	4	AAK95661 Aak95661 Human neu
c	660	15.4	57.0	401	4	AAK97154 Aak97154 Human neu
c	661	15.4	57.0	401	6	ABT00431 Abt00431 Human neu
c	662	15.4	57.0	401	6	ABT01924 Abt01924 Human neu
c	663	15.4	57.0	402	10	ADC91618 Adc91618 E. faeciu
	664	15.4	57.0	405	8	ABX62599 Abx62599 Arabidops
	665	15.4	57.0	412	4	AAS37733 Aas37733 Novel hum
c	666	15.4	57.0	417	6	ABN91476 Abn91476 Staphyloc
c	667	15.4	57.0	417	13	ADS02911 Ads02911 Staphyloc
	668	15.4	57.0	418	8	ABX48890 Abx48890 Bovine ES
c	669	15.4	57.0	419	4	AAI92436 Aai92436 Human pol
c	670	15.4	57.0	429	2	AAX20989 Aax20989 Polynucle
	671	15.4	57.0	429	9	ACH45979 Ach45979 Human inf
c	672	15.4	57.0	430	12	ADP93754 Adp93754 Cotton ex
	673	15.4	57.0	432	8	ACA40993 Aca40993 Prokaryot
	674	15.4	57.0	432	9	ACH46448 Ach46448 Human inf
	675	15.4	57.0	433	9	ACH47158 Ach47158 Human inf
	676	15.4	57.0	433	9	ACH46449 Ach46449 Human inf
	677	15.4	57.0	435	3	AAZ54177 Aaz54177 Neisseria

	678	15.4	57.0	436	9	ACH47150
	679	15.4	57.0	436	9	ACH46456
	680	15.4	57.0	438	9	ACH47154
	681	15.4	57.0	439	9	ACH47304
	682	15.4	57.0	440	8	ABZ55477
	683	15.4	57.0	441	9	ACH46452
c	684	15.4	57.0	442	4	AAK87127
c	685	15.4	57.0	442	5	ABA20543
	686	15.4	57.0	444	3	AAA89731
	687	15.4	57.0	448	9	ACH25470
	688	15.4	57.0	451	3	AAA82218
c	689	15.4	57.0	456	8	ACA52019
c	690	15.4	57.0	465	4	ABA57075
	691	15.4	57.0	469	6	ABN87838
	692	15.4	57.0	473	3	AAA62535
	693	15.4	57.0	473	6	ABT12650
	694	15.4	57.0	473	10	ACD91944
	695	15.4	57.0	479	6	ABN87839
c	696	15.4	57.0	480	9	ACH28572
c	697	15.4	57.0	484	5	ADL37334
c	698	15.4	57.0	484	5	ADI72188
	699	15.4	57.0	484	9	ACH34714
	700	15.4	57.0	485	4	AAH84085
	701	15.4	57.0	487	4	AAH84096
c	702	15.4	57.0	495	12	ADP66517
	703	15.4	57.0	495	13	ADR61830
c	704	15.4	57.0	507	10	ACD92712
c	705	15.4	57.0	511	6	ACC49847
c	706	15.4	57.0	511	6	ACC60503
c	707	15.4	57.0	519	4	AAK61881
	708	15.4	57.0	522	8	ADA69672
	709	15.4	57.0	525	12	ACH72986
	710	15.4	57.0	531	4	AAH68946
	711	15.4	57.0	534	6	ABV96258
c	712	15.4	57.0	535	12	ADQ23446
	713	15.4	57.0	540	13	ACN61912
c	714	15.4	57.0	547	12	ACH77943
c	715	15.4	57.0	549	12	ACH74203
	716	15.4	57.0	552	4	AAH71811
	717	15.4	57.0	558	4	AAI18124
	718	15.4	57.0	558	4	AAI43130
	719	15.4	57.0	558	4	ABA30347
	720	15.4	57.0	558	4	AAK37298
	721	15.4	57.0	558	4	AAK11521
	722	15.4	57.0	558	4	ABS36967
	723	15.4	57.0	558	6	ABS11291
c	724	15.4	57.0	565	6	ABN24723
c	725	15.4	57.0	576	12	ACH69408
c	726	15.4	57.0	580	5	ABV55181
c	727	15.4	57.0	580	10	ADB56396
	728	15.4	57.0	580	12	ACH79368
c	729	15.4	57.0	590	5	ADL43718
c	730	15.4	57.0	591	13	ADS49068
	731	15.4	57.0	599	12	ACH69248
	732	15.4	57.0	600	2	AAX20679
	733	15.4	57.0	600	12	ADP28045
	734	15.4	57.0	601	5	AAS23361
c	735	15.4	57.0	618	6	ABK22767
c	736	15.4	57.0	618	6	ACA68181
	737	15.4	57.0	623	4	AAH70609
	738	15.4	57.0	623	13	ADR61829
c	739	15.4	57.0	625	12	ADQ14680
c	740	15.4	57.0	628	13	ACN62522
	741	15.4	57.0	629	10	ACD97707
c	742	15.4	57.0	631	12	ADO35817
	743	15.4	57.0	641	4	AAH29202
c	744	15.4	57.0	643	12	ADO63491
	745	15.4	57.0	644	6	ABQ38395
c	746	15.4	57.0	644	6	ABQ38394
c	747	15.4	57.0	648	5	ABV15807
c	748	15.4	57.0	650	6	ABQ26198
	749	15.4	57.0	650	6	ABQ26199
c	750	15.4	57.0	651	6	ABK44139

Ach47150 Human inf
Ach46456 Human inf
Ach47154 Human inf
Ach47304 Human inf
Abz55477 Aspergill
Ach46452 Human inf
Aak87127 Human imm
Aba20543 Human ner
Aaa89731 Mouse IL-
Ach25470 Human adu
Aaa82218 N. mening
Aca52019 Prokaryot
Aba57075 Human foe
Abn87838 Human ova
Aaa62535 Human bre
Abt12650 Orestes s
Acd91944 Human col
Abn87839 Human ova
Ach28572 Human adu
Adl37334 Human ova
Adi72188 Human ova
Ach34714 Human end
Aah84085 Saimiri b
Aah84096 Mouse olf
Adp66517 Human cDN
Adr61830 Cotton cD
Acd92712 Human col
Acc49847 Polynucle
Acc60503 Polynucle
Aak61881 Human imm
Ada69672 Rice gene
Ach72986 Human gen
Aah68946 Human cer
Abv96258 Human pan
Adq23446 Human sof
Acn61912 Cotton gy
Ach77943 Human gen
Ach74203 Human gen
Aah71811 Human cer
Aai18124 Probe #80
Aai43130 Probe #11
Aba30347 Probe #88
Aak37298 Human bon
Aak11521 Human bra
Abs36967 Human liv
Abs11291 Human gen
Abn24723 Human ORF
Ach69408 Human gen
Abv55181 Human pro
Adb56396 Toxicity-
Ach79368 Human gen
Adl43718 Human ova
Ads49068 Bacterial
Ach69248 Human gen
Aax20679 Polynucle
Adp28045 Human sec
Aas23361 Human pro
Abk22767 Human cDN
Aca68181 DNA encod
Aah70609 Human cer
Adr61829 Cotton cD
Adq14680 Human liv
Acn62522 Cotton de
Acd97707 Human col
Ado35817 Novel mou
Aah29202 Drosophil
Ado63491 Transcrip
Abq38395 Oligonucl
Abq38394 Oligonucl
Abv15807 Human pro
Abq26198 Oligonucl
Abq26199 Oligonucl
Abk44139 cDNA #79

c	751	15.4	57.0	663	13	ADQ57137
	752	15.4	57.0	669	3	AAF14442
c	753	15.4	57.0	675	5	ABV45609
	754	15.4	57.0	678	6	ABL59070
	755	15.4	57.0	678	6	ABA92881
	756	15.4	57.0	678	6	ABK52589
	757	15.4	57.0	681	6	ABL96320
	758	15.4	57.0	681	12	ADK69798
c	759	15.4	57.0	687	6	ABQ49316
	760	15.4	57.0	687	6	ABQ49317
	761	15.4	57.0	693	9	ADA29659
	762	15.4	57.0	697	3	AAC66342
	763	15.4	57.0	697	4	AAH21782
	764	15.4	57.0	697	5	AAF81488
c	765	15.4	57.0	706	4	AAI95003
c	766	15.4	57.0	711	6	ABK74772
	767	15.4	57.0	729	6	ABQ32813
c	768	15.4	57.0	729	6	ABQ45116
	769	15.4	57.0	729	6	ABQ45117
c	770	15.4	57.0	729	6	ABQ32812
c	771	15.4	57.0	733	6	ABN85021
c	772	15.4	57.0	736	4	AAI96661
c	773	15.4	57.0	736	8	ABT42994
c	774	15.4	57.0	747	4	AAI95405
	775	15.4	57.0	748	12	ADM91605
c	776	15.4	57.0	756	8	ABZ70943
	777	15.4	57.0	762	3	AAC54123
	778	15.4	57.0	763	3	AAC52486
	779	15.4	57.0	771	6	ABS77393
	780	15.4	57.0	779	4	AAL23951
c	781	15.4	57.0	794	2	AAX00921
c	782	15.4	57.0	798	9	ADB11401
c	783	15.4	57.0	798	9	ADB11403
	784	15.4	57.0	819	4	AAH05417
c	785	15.4	57.0	820	4	AAK93595
c	786	15.4	57.0	820	4	AAK91773
c	787	15.4	57.0	820	12	ADL30022
c	788	15.4	57.0	820	12	ADL28200
c	789	15.4	57.0	826	2	AAX40150
c	790	15.4	57.0	852	13	ADR65761
	791	15.4	57.0	865	13	ADR63169
	792	15.4	57.0	868	4	AAL23957
c	793	15.4	57.0	879	11	ACN88199
c	794	15.4	57.0	891	5	AAH67931
	795	15.4	57.0	915	2	AAQ31798
c	796	15.4	57.0	942	5	AAH66971
	797	15.4	57.0	948	3	AAC50220
	798	15.4	57.0	948	3	AAC53371
c	799	15.4	57.0	951	10	ACC61264
c	800	15.4	57.0	951	10	ADK63719
	801	15.4	57.0	954	6	ABK65226
	802	15.4	57.0	954	10	ADD30022
	803	15.4	57.0	954	12	ADI44028
c	804	15.4	57.0	958	2	AAX40145
c	805	15.4	57.0	978	8	ACA29236
	806	15.2	56.3	20	9	AAL62403
c	807	15.2	56.3	54	6	AAD39714
	808	15.2	56.3	60	6	ABN42412
c	809	15.2	56.3	117	8	ADA72294
c	810	15.2	56.3	128	12	ACH81317
c	811	15.2	56.3	138	2	AAV79040
	812	15.2	56.3	191	12	ACH93016
c	813	15.2	56.3	201	13	ADQ43467
c	814	15.2	56.3	201	13	ADQ43489
c	815	15.2	56.3	201	13	ADQ43490
c	816	15.2	56.3	201	13	ADQ43510
c	817	15.2	56.3	201	13	ADQ43560
c	818	15.2	56.3	201	13	ADQ43492
c	819	15.2	56.3	201	13	ADQ43553
c	820	15.2	56.3	201	13	ADQ43509
c	821	15.2	56.3	201	13	ADQ43512
c	822	15.2	56.3	201	13	ADQ43531
c	823	15.2	56.3	201	13	ADQ43556

Adq57137 Novel can
Aaf14442 Aspergill
Abv45609 Human pro
Abl59070 Nucleotid
Aba92881 Hepatitis
Abk52589 DNA encod
Abl96320 Nucleotid
Adk69798 Hepatitis
Abq49316 Oligonucl
Abq49317 Oligonucl
Ada29659 DNA encod
Aac66342 Hepatitis
Aah21782 Synthetic
Aaf81488 Viral cod
Aai95003 Human neu
Abk74772 Bacillus
Abq32813 Oligonucl
Abq45116 Oligonucl
Abq45117 Oligonucl
Abq32812 Oligonucl
Abn85021 Murine TS
Aai96661 Human neu
Abt42994 Human neu
Aai95405 Human neu
Adm91605 Lawsonia
Abz70943 Human reg
Aac54123 Arabidops
Aac52486 Arabidops
Abs77393 Frog embr
Aal23951 Human bre
Aax00921 Carbohydr
Adb11401 Alloiococ
Adb11403 Alloiococ
Aah05417 Human cDN
Aak93595 Human cDN
Aak91773 Human cDN
Adl30022 3' end of
Adl28200 5' end of
Aax40150 Gastric c
Adr65761 Cotton cD
Adr63169 Cotton cD
Aal23957 Human bre
Acn88199 Breast ca
Aah67931 C glutami
Aaq31798 PRP4 gene
Aah66971 C glutami
Aac50220 Arabidops
Aac53371 Arabidops
Acc61264 Gene sequ
Adk63719 Disease t
Abk65226 Arabidops
Add30022 Plant yie
Adi44028 Plant tra
Aax40145 Gastric c
Aca29236 Prokaryot
Aal62403 Human ABC
Aad39714 Synthetic
Abn42412 Human spl
Ada72294 Rice gene
Ach81317 Human gen
Aav79040 Staphyloc
Ach93016 Human gen
Adq43467 Myocardia
Adq43489 Myocardia
Adq43490 Myocardia
Adq43510 Myocardia
Adq43560 Myocardia
Adq43492 Myocardia
Adq43553 Myocardia
Adq43509 Myocardia
Adq43512 Myocardia
Adq43531 Myocardia
Adq43556 Myocardia

c 824	15.2	56.3	201	13	ADQ43468	Adq43468 Myocardia
c 825	15.2	56.3	201	13	ADQ43474	Adq43474 Myocardia
c 826	15.2	56.3	201	13	ADQ43470	Adq43470 Myocardia
c 827	15.2	56.3	201	13	ADQ43516	Adq43516 Myocardia
c 828	15.2	56.3	201	13	ADQ43532	Adq43532 Myocardia
c 829	15.2	56.3	201	13	ADQ43534	Adq43534 Myocardia
c 830	15.2	56.3	201	13	ADQ43538	Adq43538 Myocardia
c 831	15.2	56.3	201	13	ADQ43554	Adq43554 Myocardia
c 832	15.2	56.3	213	6	ABN75661	Abn75661 Human ORF
c 833	15.2	56.3	228	6	ABK76190	Abk76190 Bacillus
c 834	15.2	56.3	248	13	ADS50695	Ads50695 Bacterial
835	15.2	56.3	272	12	ADQ21576	Adq21576 Human sof
c 836	15.2	56.3	290	3	AAC19262	Aac19262 Human sec
837	15.2	56.3	296	6	ABN20919	Abn20919 Human ORF
838	15.2	56.3	331	4	AAS58558	Aas58558 cDNA #123
839	15.2	56.3	341	2	AAQ63290	Aaq63290 Mutant AO
840	15.2	56.3	341	2	AAQ63288	Aaq63288 Mutant AO
841	15.2	56.3	360	2	AAQ63292	Aaq63292 Mutant AO
c 842	15.2	56.3	400	2	AAV78183	Aav78183 Staphyloc
843	15.2	56.3	409	9	ACH31273	Ach31273 Human bon
c 844	15.2	56.3	413	8	ABX35248	Abx35248 Bovine ES
c 845	15.2	56.3	417	3	AAC01785	Aac01785 Human sec
c 846	15.2	56.3	429	6	ABQ98905	Abq98905 Human ORF
847	15.2	56.3	429	6	ABQ99262	Abq99262 Human ORF
848	15.2	56.3	435	3	ADF56749	Adf56749 Urogenita
849	15.2	56.3	437	4	AAK72858	Aak72858 Human imm
850	15.2	56.3	442	4	AAK72859	Aak72859 Human imm
c 851	15.2	56.3	446	12	ADP66156	Adp66156 Human cDN
852	15.2	56.3	447	10	ADF58389	Adf58389 Human pol
c 853	15.2	56.3	455	2	AAV86257	Aav86257 EST clone
c 854	15.2	56.3	457	4	AAI11205	Aai11205 Probe #11
c 855	15.2	56.3	457	4	ABA52864	Aba52864 Human foe
c 856	15.2	56.3	457	4	AAI32468	Aai32468 Probe #11
c 857	15.2	56.3	457	4	ABA42436	Aba42436 Human bre
c 858	15.2	56.3	457	4	ABA22648	Aba22648 Probe #11
c 859	15.2	56.3	457	4	AAK26575	Aak26575 Human bon
c 860	15.2	56.3	457	4	AAK01117	Aak01117 Human bra
c 861	15.2	56.3	457	4	ABS26167	Abs26167 Human liv
c 862	15.2	56.3	457	5	AAI01122	Aai01122 Probe #11
c 863	15.2	56.3	457	6	ABS01166	Abs01166 Human gen
864	15.2	56.3	462	4	AAI10551	Aai10551 Probe #48
865	15.2	56.3	462	4	ABA52198	Aba52198 Human foe
866	15.2	56.3	462	4	AAI31804	Aai31804 Probe #49
867	15.2	56.3	462	4	ABA22003	Aba22003 Probe #46
868	15.2	56.3	462	4	AAK25921	Aak25921 Human bon
869	15.2	56.3	462	4	AAK00474	Aak00474 Human bra
870	15.2	56.3	462	4	ABS25510	Abs25510 Human liv
871	15.2	56.3	462	5	AAI00483	Aai00483 Probe #47
872	15.2	56.3	462	6	ABS00504	Abs00504 Human gen
c 873	15.2	56.3	464	9	ACH43485	Ach43485 Human foe
874	15.2	56.3	473	12	ADP66445	Adp66445 Human cDN
875	15.2	56.3	490	10	ADD32714	Add32714 Human mit
c 876	15.2	56.3	491	11	ADT96046	Adt96046 Colon can
c 877	15.2	56.3	507	12	ACH76987	Ach76987 Human gen
878	15.2	56.3	509	12	ACH67496	Ach67496 Human gen
879	15.2	56.3	510	4	AAH10978	Aah10978 Human cDN
c 880	15.2	56.3	517	6	ABN62592	Abn62592 Human can
c 881	15.2	56.3	522	6	ABK35226	Abk35226 Human cDN
c 882	15.2	56.3	525	3	AAC44724	Aac44724 Arabidops
c 883	15.2	56.3	526	5	ABV51710	Abv51710 Human pro
884	15.2	56.3	531	4	AAH11937	Aah11937 Human cDN
885	15.2	56.3	536	13	ACN51289	Acn51289 Cotton an
c 886	15.2	56.3	546	4	ABA62187	Aba62187 Human foe
c 887	15.2	56.3	546	4	AAK36408	Aak36408 Human bon
c 888	15.2	56.3	546	4	ABS36078	Abs36078 Human liv
c 889	15.2	56.3	547	10	ABX57223	Abx57223 Arabidops
c 890	15.2	56.3	549	13	ACN51312	Acn51312 Cotton an
891	15.2	56.3	552	10	ABX05919	Abx05919 S. pneumo
c 892	15.2	56.3	553	2	AAV02989	Aav02989 Human AC2
c 893	15.2	56.3	553	2	AAV11436	Aav11436 Human sec
894	15.2	56.3	555	3	AAA05497	Aaa05497 Streptoco
895	15.2	56.3	559	10	ADD48903	Add48903 Rat gene
896	15.2	56.3	568	2	AAQ63287	Aaq63287 Mutant AO
897	15.2	56.3	570	12	ACH79316	Ach79316 Human gen
898	15.2	56.3	572	4	AAH11263	Aah11263 Human cDN
c 899	15.2	56.3	572	6	ABN62651	Abn62651 Human can
900	15.2	56.3	573	5	ABV56554	Abv56554 Human pro
901	15.2	56.3	573	13	ADR93085	Adr93085 Novel S.
902	15.2	56.3	576	13	ACN53016	Acn53016 Cotton an
c 903	15.2	56.3	585	5	ABA09603	Aba09603 Human bon
904	15.2	56.3	587	4	AAH09213	Aah09213 Human cDN
c 905	15.2	56.3	593	5	ADL42841	Adl42841 Human ova
c 906	15.2	56.3	593	12	ACH67614	Ach67614 Human gen
c 907	15.2	56.3	597	4	ABL24869	Abl24869 Drosophil
c 908	15.2	56.3	597	5	ABA09687	Aba09687 Human bon
c 909	15.2	56.3	601	8	ABX61808	Abx61808 Novel hum
c 910	15.2	56.3	601	8	ABX61807	Abx61807 Novel hum
911	15.2	56.3	601	12	ADL15787	Adl15787 Novel tra
c 912	15.2	56.3	612	3	AAC35650	Aac35650 Arabidops
c 913	15.2	56.3	619	4	AAS41508	Aas41508 cDNA enco
c 914	15.2	56.3	619	4	AAI62756	Aai62756 Human cDN
c 915	15.2	56.3	629	13	ACN54073	Acn54073 Cotton an
c 916	15.2	56.3	651	6	AAD39724	Aad39724 Human mem
917	15.2	56.3	661	6	ABN62707	Abn62707 Human can
c 918	15.2	56.3	670	5	ADI71297	Adi71297 Human ova
c 919	15.2	56.3	670	5	ADL36457	Adl36457 Human ova
c 920	15.2	56.3	676	3	AAF13466	Aaf13466 Aspergill
c 921	15.2	56.3	686	6	ABQ65744	Abq65744 Arabidops
922	15.2	56.3	696	6	ABS77055	Abs77055 Frog embr
c 923	15.2	56.3	696	10	ACF68760	Acf68760 Photorhab
c 924	15.2	56.3	717	12	ADK16756	Adk16756 Nanoarcha
c 925	15.2	56.3	717	13	ACN37414	Acn37414 Tumour-as
c 926	15.2	56.3	720	6	ABK77930	Abk77930 Bacillus
c 927	15.2	56.3	733	6	ABK78101	Abk78101 Bacillus
c 928	15.2	56.3	748	13	ADS50555	Ads50555 Bacterial
929	15.2	56.3	767	10	ADE72822	Ade72822 Human end
c 930	15.2	56.3	769	2	AAX23539	Aax23539 Tomato Xa
c 931	15.2	56.3	794	13	ADR85181	Adr85181 Aspergill
932	15.2	56.3	801	6	ABQ68280	Abq68280 Listeria
933	15.2	56.3	812	8	ABT20488	Abt20488 Aspergill
934	15.2	56.3	819	3	AAC52401	Aac52401 Arabidops
c 935	15.2	56.3	847	3	AAC77115	Aac77115 Human ORF
c 936	15.2	56.3	874	11	ACN87145	Acn87145 Breast ca
937	15.2	56.3	876	6	ABK68417	Abk68417 Human DNA
938	15.2	56.3	876	12	ADG83299	Adg83299 Human Olf
c 939	15.2	56.3	900	4	AAI68304	Aai68304 Aspergill
c 940	15.2	56.3	901	5	AAS74539	Aas74539 DNA encod
c 941	15.2	56.3	902	9	ACD42238	Acd42238 Human 1-8
c 942	15.2	56.3	904	13	ABD32563	Abd32563 Human can
c 943	15.2	56.3	905	6	ABL69222	Abl69222 Prostate
c 944	15.2	56.3	905	6	ABK84587	Abk84587 Human cDN
c 945	15.2	56.3	905	8	ACF12872	Acf12872 Human cer
c 946	15.2	56.3	905	8	ACC42354	Acc42354 Human MAP
c 947	15.2	56.3	905	8	ACC42355	Acc42355 Human MAP
c 948	15.2	56.3	905	8	ACC42316	Acc42316 Human MAP
c 949	15.2	56.3	905	10	ADK60885	Adk60885 Ovarian c
c 950	15.2	56.3	905	12	ADQ29606	Adq29606 Human col
c 951	15.2	56.3	905	13	ACN39149	Acn39149 Tumour-as
c 952	15.2	56.3	905	13	ADR52763	Adr52763 Drug ther
c 953	15.2	56.3	905	13	ADP23175	Adp23175 PRO polyp
c 954	15.2	56.3	906	8	ACA48298	Aca48298 Prokaryot
c 955	15.2	56.3	912	6	ABA97414	Aba97414 50090 hum
c 956	15.2	56.3	912	12	ADQ48426	Adq48426 Human hyd
957	15.2	56.3	917	6	ABZ15490	Abz15490 Arabidops
c 958	15.2	56.3	921	5	AAS89739	Aas89739 DNA encod
959	15.2	56.3	934	6	ABZ82546	Abz82546 Human sec
960	15.2	56.3	939	4	AAH32446	Aah32446 Human olf
961	15.2	56.3	942	6	ABZ42986	Abz42986 Human GPC
962	15.2	56.3	942	6	ABK68426	Abk68426 Human DNA
963	15.2	56.3	954	4	AAH31961	Aah31961 Human olf
964	15.2	56.3	954	4	AAH31847	Aah31847 Human olf
c 965	15.2	56.3	960	13	ACN37413	Acn37413 Tumour-as
966	15.2	56.3	966	6	ABK68459	Abk68459 Human DNA
967	15.2	56.3	966	12	ADG83337	Adg83337 Human Olf
968	15.2	56.3	975	6	ABK68573	Abk68573 Human DNA
969	15.2	56.3	975	12	ADG83429	Adg83429 Human Olf

970	15.2	56.3	979	6	ABS58797	Abs58797 Human G-p
971	15.2	56.3	986	6	ADI16523	Adi16523 Human NOV
972	15.2	56.3	986	12	ADN42177	Adn42177 Human cDN
973	15.2	56.3	997	13	ACN37474	Acn37474 Tumour-as
c 974	15.2	56.3	999	4	AAI57879	Aai57879 Human pol
975	15	55.6	19	13	ADR76358	Adr76358 Human apo
976	15	55.6	19	13	ADR78976	Adr78976 Human apo
977	15	55.6	28	8	ABZ56932	Abz56932 PCR prime
c 978	15	55.6	65	6	ABN51149	Abn51149 Mouse spl
979	15	55.6	65	6	ABN30693	Abn30693 Rat splic
c 980	15	55.6	100	8	ACD73070	Acd73070 E. coli K
c 981	15	55.6	110	3	AAC25838	Aac25838 Human sec
982	15	55.6	123	12	ADH00594	Adh00594 Kidney di
983	15	55.6	139	2	AAQ76791	Aaq76791 Human gen
c 984	15	55.6	150	10	ADC75603	Adc75603 DNA homol
c 985	15	55.6	150	10	ADK54125	Adk54125 Plant DNA
c 986	15	55.6	155	2	AAX51787	Aax51787 Human sec
987	15	55.6	159	8	ABX55390	Abx55390 Bovine ES
c 988	15	55.6	170	2	AAQ76787	Aaq76787 Human gen
989	15	55.6	183	12	ACH82245	Ach82245 Human gen
c 990	15	55.6	221	2	AAQ86251	Aaq86251 Group C r
c 991	15	55.6	228	9	ADA30767	Ada30767 DNA encod
992	15	55.6	239	5	ABV06762	Abv06762 Human pro
c 993	15	55.6	265	3	AAC98738	Aac98738 Human col
c 994	15	55.6	294	8	ABZ74551	Abz74551 Secreted
c 995	15	55.6	294	10	ABZ68085	Abz68085 Human sec
996	15	55.6	300	2	AAZ13344	Aaz13344 Human gen
c 997	15	55.6	300	3	AAA00261	Aaa00261 Human col
c 998	15	55.6	306	3	AAA65981	Aaa65981 E. coli p
c 999	15	55.6	306	8	ACA32643	Aca32643 Prokaryot
c1000	15	55.6	311	4	AAS57352	Aas57352 cDNA #28

ALIGNMENTS

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RESULT 1
ADD28215
ID   ADD28215 standard; DNA; 27 BP.
XX
AC   ADD28215;
XX
DT   15-JAN-2004  (first entry)
XX
DE   E. coli-specific probe #2 used in detection method.
XX
KW   Escherichia coli detection; microorganism; water sample; food sample;
KW   biological specimen; E. coli detection; probe; ss.
XX
OS   Escherichia coli.
XX
PN   US2003113731-A1.
XX
PD   19-JUN-2003.
XX
PF   19-DEC-2001; 2001US-00025137.
XX
PR   19-DEC-2001; 2001US-00025137.
XX
PA   (LIUL/) LIU L.
PA   (CHUN/) CHUNG T.
PA   (TERN/) TERNG H.
XX
PI   Liu L,  Chung T,  Terng H;
XX
DR   WPI; 2003-810889/76.
XX
PT   Detecting Escherichia coli in water sample, food sample or biological
PT   sample by amplifying the nucleic acid from the microorganism, and
PT   detecting the amplification product.
XX
PS   Claim 15; Page 2; 9pp; English.
XX
CC   The present invention relates to a method for detecting Escherichia coli.
CC   The method involves providing a sample having a nucleic acid from an
CC   unknown microorganism, amplifying the nucleic acid with an upstream
CC   primer and a down stream primer, each primer being 18-40 nucleotides in
CC   length and detecting an amplification product, where detection of the
CC   amplification product indicates the presence of E. coli. The invention
CC   also discloses E. coli-specific probes. The method of the invention is
CC   useful for detecting E. coli in water samples, food samples or biological
CC   specimens such as a specimen from a patient. The method is a fast,
CC   accurate, and sensitive method for E. coli detection. The present
CC   sequence represents an E. coli-specific probe used in the method of the
CC   invention.
XX
SQ   Sequence 27 BP; 7 A; 10 C; 2 G; 8 T; 0 U; 0 Other;

  Query Match             100.0%;  Score 27;  DB 10;  Length 27;
  Best Local Similarity   100.0%;  Pred. No. 0.069;
  Matches   27;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AAAACACCTCTTCCTGCGATTTCTCAC 27
              ||||||||||||||||||||||||||
Db          1 AAAACACCTCTTCCTGCGATTTCTCAC 27


RESULT 2
ACD78413
ID   ACD78413 standard; DNA; 100 BP.
XX
AC   ACD78413;
XX
DT   19-SEP-2003  (first entry)
XX
DE   E. coli K12 MG1655 biochip probe SEQ ID 9689.
XX
KW   Biochip; gene expression; gut; diagnostic; detection; probe; ss.
XX
OS   Escherichia coli.
XX
PN   EP1260592-A1.
XX
PD   27-NOV-2002.
XX
PF   17-MAY-2001; 2001EP-00112179.
XX
PR   17-MAY-2001; 2001EP-00112179.
XX
PA   (MWGB-) MWG-BIOTECH AG.
XX
PI   Donner H,  Drescher B,  Huber A,  Weber J;
XX
DR   WPI; 2003-241155/24.
XX
PT   Biochip containing probes complementary with open reading frames in
PT   Escherichia coli K12, useful for detecting gene expression and expression
PT   patterns.
XX
PS   Claim 3; Page 1511; 2004pp; German.
XX
CC   This invention describes a novel biochip comprising probe spots, each
CC   containing many identical probes. The probes are nucleotide sequences of
CC   30-80 bases, are prepared ex situ from synthetic oligonucleotides and at
CC   least one includes a segment of at least 20 bases identical with, or
CC   complementary to, a segment of an open reading frame (orf) of Escherichia
CC   coli K12. The biochip is used for specific detection of gene expression
CC   in K12 and for determining the gene expression pattern, e.g. for
CC   diagnostic determination of which E. coli strains are present in the gut,
CC   and to determine the effects of e.g. growth media on gene expression. The
CC   biochip provides as comprehensive as possible detection of the K12
CC   genome, with simultaneous analysis of many different genes with a single
CC   device, and comparison of gene expression between K12 and its mutants or
CC   other E. coli strains in a single experiment. Apart from qualitative and
CC   quantitative information about gene expression, it also allows
CC   measurements of population densities for the various strains. The use of
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GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: April 16, 2005, 01:17:12 ; Search time 1767.36 Seconds
(without alignments)
581.507 Million cell updates/sec

Title: US-10-025-137B-6
Perfect score: 27
Sequence: 1 aaaacacctcttcctgcgatttctcac 27

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 34239544 seqs, 19032134700 residues

Total number of hits satisfying chosen parameters: 66303546

Minimum DB seq length: 0
Maximum DB seq length: 1000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database : EST:*
1: gb_est1:*
2: gb_est2:*
3: gb_htc:*
4: gb_est3:*
5: gb_est4:*
6: gb_est5:*
7: gb_est6:*
8: gb_gss1:*
9: gb_gss2:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
c	1	27	100.0	745	9	CL678320	CL678320 PRI0122c_
c	2	21.2	78.5	783	1	AU119420	AU119420 AU119420_
	3	20.6	76.3	272	8	AZ752806	AZ752806 RPCI-24-1
c	4	20.6	76.3	771	9	CE300769	CE300769 tigr-gss-
	5	20.2	74.8	823	9	CR108898	CR108898 Forward s
	6	19.8	73.3	208	2	BB380601	BB380601 BB380601
	7	19.8	73.3	399	9	CL582469	CL582469 OB__Ba004
c	8	19.8	73.3	765	4	BG918376	BG918376 602819675
c	9	19.6	72.6	407	7	CK676364	CK676364 ZF101-P00
c	10	19.6	72.6	454	7	CV034657	CV034657 RTNACL1_1
c	11	19.6	72.6	457	7	CF386070	CF386070 RTDR1_8_D
c	12	19.6	72.6	524	7	CF397134	CF397134 RTDS2_26_
c	13	19.6	72.6	529	7	CF668488	CF668488 RTCNT1_36
	14	19.6	72.6	539	4	BG523402	BG523402 31-41 Ste
c	15	19.6	72.6	539	7	CF386697	CF386697 RTDR1_16_
	16	19.6	72.6	550	1	AU167587	AU167587 AU167587_
c	17	19.6	72.6	550	4	BG040913	BG040913 NXSI_116_
c	18	19.6	72.6	558	7	CF401290	CF401290 RTWW1_11_
c	19	19.6	72.6	564	7	CF385617	CF385617 RTDR1_5_F
c	20	19.6	72.6	574	7	CF397343	CF397343 RTDS3_3_C
c	21	19.6	72.6	581	4	BG318171	BG318171 NXPV_011_
c	22	19.6	72.6	583	7	CF386085	CF386085 RTDR1_8_G
c	23	19.6	72.6	590	7	CF386177	CF386177 RTDR1_8_D
c	24	19.6	72.6	595	7	CF474045	CF474045 RTWW2_18_
c	25	19.6	72.6	596	7	CF391213	CF391213 RTDR3_4_C
	26	19.6	72.6	599	7	CF395372	CF395372 RTDS2_11_
c	27	19.6	72.6	600	7	CF665345	CF665345 RTCNT1_15
	28	19.6	72.6	601	7	CF669198	CF669198 RTCNT1_41
c	29	19.6	72.6	601	7	CF669296	CF669296 RTCNT1_42
c	30	19.6	72.6	617	7	CF385329	CF385329 RTDR1_3_D
c	31	19.6	72.6	624	7	CF402976	CF402976 RTWW1_24_
c	32	19.6	72.6	630	7	CV035383	CV035383 RTNACL1_1
c	33	19.6	72.6	633	9	CL339280	CL339280 RPCI44_26
	34	19.6	72.6	638	8	AZ463541	AZ463541 1M0272M21
c	35	19.6	72.6	640	7	CO413117	CO413117 EST843502
c	36	19.6	72.6	643	7	CF400114	CF400114 RTWW1_3_F
c	37	19.6	72.6	648	7	CF471759	CF471759 RTDS1_6_H
c	38	19.6	72.6	651	7	CF401870	CF401870 RTWW1_15_
c	39	19.6	72.6	656	7	CF471735	CF471735 RTDS1_6_F
	40	19.6	72.6	670	7	CF476490	CF476490 RTWW3_1_H
c	41	19.6	72.6	673	7	CO198842	CO198842 GEO1_17_B
	42	19.6	72.6	675	7	CO162589	CO162589 FLD1_36_G
c	43	19.6	72.6	676	7	CF392658	CF392658 RTDR3_5_A
c	44	19.6	72.6	677	7	CF403084	CF403084 RTWW1_24_
c	45	19.6	72.6	678	7	CF671303	CF671303 RTCNT1_56
	46	19.6	72.6	678	7	CO157640	CO157640 FLD1_1_C0
c	47	19.6	72.6	679	7	CF397478	CF397478 RTDS3_3_C
c	48	19.6	72.6	681	7	CF391342	CF391342 RTDR3_1_D
c	49	19.6	72.6	682	7	CO166606	CO166606 FLD1_63_F
	50	19.6	72.6	684	7	CF392692	CF392692 RTDR3_5_A
c	51	19.6	72.6	686	7	CF400211	CF400211 RTWW1_3_F
	52	19.6	72.6	687	5	BX909865	BX909865 BX909865
c	53	19.6	72.6	687	7	CO198917	CO198917 GEO1_17_B
c	54	19.6	72.6	688	7	CF471694	CF471694 RTDS1_6_H
c	55	19.6	72.6	691	7	CF397722	CF397722 RTDS3_1_C
c	56	19.6	72.6	692	7	CV035308	CV035308 RTNACL1_1
c	57	19.6	72.6	697	7	CF671374	CF671374 RTCNT1_56
c	58	19.6	72.6	700	7	CF392696	CF392696 RTDR3_5_B
c	59	19.6	72.6	701	7	CF392033	CF392033 RTDR3_12_
c	60	19.6	72.6	706	7	CO411080	CO411080 EST841465
	61	19.6	72.6	707	7	CV134445	CV134445 EST845654
	62	19.6	72.6	710	7	CO198293	CO198293 GEO1_12_D
c	63	19.6	72.6	711	7	CV141443	CV141443 EST852652
c	64	19.6	72.6	721	7	CF391409	CF391409 RTDR3_1_D
c	65	19.6	72.6	722	7	CF472084	CF472084 RTDS1_8_B
c	66	19.6	72.6	723	7	CV149371	CV149371 EST860581
c	67	19.6	72.6	725	7	CF667704	CF667704 RTCNT1_32
c	68	19.6	72.6	728	7	CF387378	CF387378 RTDR1_12_
c	69	19.6	72.6	728	7	CF402169	CF402169 RTWW1_20_
c	70	19.6	72.6	731	7	CF471765	CF471765 RTDS1_6_F
c	71	19.6	72.6	733	1	AU117782	AU117782 AU117782
	72	19.6	72.6	735	7	CF392681	CF392681 RTDR3_5_A
c	73	19.6	72.6	738	7	CV140782	CV140782 EST851991
c	74	19.6	72.6	740	7	CF386719	CF386719 RTDR1_16_
c	75	19.6	72.6	742	1	AU117410	AU117410 AU117410_
c	76	19.6	72.6	742	7	CV138969	CV138969 EST850178
	77	19.6	72.6	744	7	CF402416	CF402416 RTWW1_17_
c	78	19.6	72.6	749	1	AU142042	AU142042 AU142042_
c	79	19.6	72.6	751	7	CF394485	CF394485 RTDS2_5_E
c	80	19.6	72.6	752	7	CO367856	CO367856 RTK1_37_C
	81	19.6	72.6	753	7	CF470272	CF470272 RTDS1_18_
c	82	19.6	72.6	754	1	AU117830	AU117830 AU117830_
c	83	19.6	72.6	754	7	CV136561	CV136561 EST847770
c	84	19.6	72.6	755	4	BI088698	BI088698 602851474
c	85	19.6	72.6	755	7	CF403067	CF403067 RTWW1_24_
c	86	19.6	72.6	755	7	CV031454	CV031454 RTNACL1_1
c	87	19.6	72.6	757	7	CV139636	CV139636 EST850845
	88	19.6	72.6	759	7	CK693743	CK693743 ZF101-P00
c	89	19.6	72.6	759	7	CV137301	CV137301 EST848510
c	90	19.6	72.6	762	7	CO201125	CO201125 RTCNT2_3_
c	91	19.6	72.6	764	7	CF472025	CF472025 RTDS1_8_B
c	92	19.6	72.6	768	7	CF400583	CF400583 RTWW1_6_F
c	93	19.6	72.6	770	1	AU124360	AU124360 AU124360
c	94	19.6	72.6	773	7	CF386191	CF386191 RTDR1_8_G
c	95	19.6	72.6	773	7	CO164435	CO164435 FLD1_48_B
c	96	19.6	72.6	774	1	AU121835	AU121835 AU121835
c	97	19.6	72.6	778	7	CV141460	CV141460 EST852669

	98	19.6	72.6	782	7	CO198226
c	99	19.6	72.6	783	7	CF389960
	100	19.6	72.6	783	7	CO200649
c	101	19.6	72.6	783	7	CV136722
c	102	19.6	72.6	784	7	CV145265
c	103	19.6	72.6	784	7	CV147052
c	104	19.6	72.6	785	1	AU141164
c	105	19.6	72.6	785	7	CV141858
c	106	19.6	72.6	786	7	CV138312
c	107	19.6	72.6	786	7	CV149241
c	108	19.6	72.6	787	7	CF401204
c	109	19.6	72.6	787	7	CV137059
c	110	19.6	72.6	787	7	CV148795
c	111	19.6	72.6	789	7	CO410730
c	112	19.6	72.6	790	7	CF385715
c	113	19.6	72.6	791	7	CO365011
c	114	19.6	72.6	793	7	CF668378
c	115	19.6	72.6	793	7	CO160160
c	116	19.6	72.6	794	1	AU121154
c	117	19.6	72.6	795	1	AU119846
c	118	19.6	72.6	795	7	CO171181
c	119	19.6	72.6	797	1	AU133078
c	120	19.6	72.6	798	1	AU141781
c	121	19.6	72.6	798	7	CF471598
c	122	19.6	72.6	798	7	CV031444
c	123	19.6	72.6	799	1	AU117267
c	124	19.6	72.6	799	1	AU120182
	125	19.6	72.6	800	7	CF472419
c	126	19.6	72.6	800	7	CO200985
c	127	19.6	72.6	801	1	AU142122
c	128	19.6	72.6	802	7	CO175403
c	129	19.6	72.6	802	7	CO366551
c	130	19.6	72.6	802	7	CV146383
c	131	19.6	72.6	803	1	AU124877
c	132	19.6	72.6	804	7	CO160233
c	133	19.6	72.6	808	1	AU118922
c	134	19.6	72.6	808	1	AU118944
c	135	19.6	72.6	810	1	AU141646
c	136	19.6	72.6	810	7	CV141339
c	137	19.6	72.6	812	1	AU118133
c	138	19.6	72.6	813	7	CF385353
c	139	19.6	72.6	816	7	CV146370
c	140	19.6	72.6	816	7	CV146469
c	141	19.6	72.6	817	1	AU122564
c	142	19.6	72.6	817	2	BE906308
c	143	19.6	72.6	817	7	CO367932
c	144	19.6	72.6	817	7	CO410021
c	145	19.6	72.6	820	1	AU143350
c	146	19.6	72.6	821	7	CV137809
	147	19.6	72.6	822	7	CO365546
c	148	19.6	72.6	822	7	CO366472
c	149	19.6	72.6	823	7	CV147896
c	150	19.6	72.6	824	7	CO412989
c	151	19.6	72.6	828	2	BE904669
c	152	19.6	72.6	830	7	CV140911
c	153	19.6	72.6	830	7	CV142743
c	154	19.6	72.6	835	7	CO199435
c	155	19.6	72.6	836	7	CO201046
c	156	19.6	72.6	837	7	CV147751
c	157	19.6	72.6	838	7	CF397759
c	158	19.6	72.6	845	7	CV138177
c	159	19.6	72.6	846	7	CV143198
c	160	19.6	72.6	848	7	CV137447
c	161	19.6	72.6	850	1	AU122130
c	162	19.6	72.6	850	7	CV143540
c	163	19.6	72.6	851	7	CV135730
c	164	19.6	72.6	853	7	CV140556
c	165	19.6	72.6	855	1	AU117633
c	166	19.6	72.6	855	7	CV135791
c	167	19.6	72.6	855	7	CV148385
c	168	19.6	72.6	858	7	CO200908
c	169	19.6	72.6	860	5	BQ221965
c	170	19.6	72.6	861	6	CD514675

CO198226	GEO1_12_D
CF389960	RTDR2_11_
CO200649	GEO2_8_E0
CV136722	EST847931
CV145265	EST856474
CV147052	EST858261
AU141164	AU141164
CV141858	EST853067
CV138312	EST849521
CV149241	EST860450
CF401204	RTWW1_10_
CV137059	EST848268
CV148795	EST860004
CO410730	EST841115
CF385715	RTDR1_5_F
CO365011	RTK1_23_D
CF668378	RTCNT1_36
CO160160	FLD1_19_D
AU121154	AU121154
AU119846	AU119846
CO171181	NDL1_19_E
AU133078	AU133078
AU141781	AU141781
CF471598	RTDS1_4_E
CV031444	RTNACL1_1
AU117267	AU117267
AU120182	AU120182
CF472419	RTDS1_9_B
CO200985	RTCNT2_2_
AU142122	AU142122
CO175403	NDL1_54_B
CO366551	RTK1_28_C
CV146383	EST857592
AU124877	AU124877
CO160233	FLD1_19_D
AU118922	AU118922
AU118944	AU118944
AU141646	AU141646
CV141339	EST852548
AU118133	AU118133
CF385353	RTDR1_3_D
CV146370	EST857579
CV146469	EST857678
AU122564	AU122564
BE906308	601502309
CO367932	RTK1_37_C
CO410021	EST840406
AU143350	AU143350
CV137809	EST849018
CO365546	RTK1_17_E
CO366472	RTK1_28_C
CV147896	EST859105
CO412989	EST843374
BE904669	601498781
CV140911	EST852120
CV142743	EST853952
CO199435	GEO2_1_E0
CO201046	RTCNT2_3_
CV147751	EST858960
CF397759	RTDS3_1_C
CV138177	EST849386
CV143198	EST854407
CV137447	EST848656
AU122130	AU122130
CV143540	EST854749
CV135730	EST846939
CV140556	EST851765
AU117633	AU117633
CV135791	EST847000
CV148385	EST859594
CO200908	RTCNT2_2_
BQ221965	AGENCOURT
CD514675	AGENCOURT

c	171	19.6	72.6	864	7	CO164511
c	172	19.6	72.6	865	1	AU118914
c	173	19.6	72.6	865	1	AU119887
c	174	19.6	72.6	868	7	CV138751
c	175	19.6	72.6	868	7	CV146150
c	176	19.6	72.6	868	7	CV146322
c	177	19.6	72.6	870	7	CV147032
c	178	19.6	72.6	873	1	AU122250
c	179	19.6	72.6	875	7	CV144411
c	180	19.6	72.6	876	7	CN785598
c	181	19.6	72.6	876	7	CV145865
c	182	19.6	72.6	881	4	BG546104
c	183	19.6	72.6	881	7	CV147259
c	184	19.6	72.6	881	7	CV148235
c	185	19.6	72.6	884	1	AU118624
c	186	19.6	72.6	888	7	CV147448
c	187	19.6	72.6	890	7	CO364622
c	188	19.6	72.6	890	7	CV146061
c	189	19.6	72.6	891	7	CO200603
c	190	19.6	72.6	896	7	CO413293
c	191	19.6	72.6	899	7	CO200521
	192	19.6	72.6	899	7	CO200564
c	193	19.6	72.6	902	5	BU175852
	194	19.6	72.6	910	4	BG327666
c	195	19.6	72.6	910	7	CO365092
c	196	19.6	72.6	910	7	CV143764
c	197	19.6	72.6	917	7	CV148166
c	198	19.6	72.6	919	7	CV138149
c	199	19.6	72.6	921	7	CV146551
	200	19.6	72.6	922	7	CO161502
c	201	19.6	72.6	922	7	CV143657
c	202	19.6	72.6	923	7	CV141507
c	203	19.6	72.6	923	7	CV148164
c	204	19.6	72.6	924	7	CO410856
c	205	19.6	72.6	924	7	CV137675
c	206	19.6	72.6	926	7	CN783950
c	207	19.6	72.6	926	7	CV148284
c	208	19.6	72.6	927	7	CN784104
c	209	19.6	72.6	927	7	CV137686
c	210	19.6	72.6	927	7	CV143051
c	211	19.6	72.6	928	7	CV135780
c	212	19.6	72.6	932	7	CV149015
c	213	19.6	72.6	933	7	CV144225
c	214	19.6	72.6	940	7	CV137714
c	215	19.6	72.6	941	7	CV138245
c	216	19.6	72.6	941	7	CV147438
c	217	19.6	72.6	942	7	CV138626
c	218	19.6	72.6	942	7	CV141727
c	219	19.6	72.6	943	7	CV143550
c	220	19.6	72.6	943	7	CV149224
c	221	19.6	72.6	944	7	CO413826
c	222	19.6	72.6	945	7	CO412304
c	223	19.6	72.6	946	7	CO413709
c	224	19.6	72.6	946	7	CV142909
c	225	19.6	72.6	947	7	CV147279
c	226	19.6	72.6	948	7	CV138120
c	227	19.6	72.6	950	7	CV140743
c	228	19.6	72.6	951	7	CN785498
c	229	19.6	72.6	952	7	CO413327
c	230	19.6	72.6	956	7	CV138090
c	231	19.6	72.6	957	2	BF683786
c	232	19.6	72.6	957	5	BQ958339
c	233	19.6	72.6	958	7	CV148639
c	234	19.6	72.6	960	4	BF984600
c	235	19.6	72.6	961	7	CN783689
c	236	19.6	72.6	961	7	CO411977
c	237	19.6	72.6	963	7	CN784921
c	238	19.6	72.6	964	7	CV142941
c	239	19.6	72.6	965	7	CV146756
c	240	19.6	72.6	966	7	CV138901
c	241	19.6	72.6	966	7	CV141360
c	242	19.6	72.6	966	7	CV147074
c	243	19.6	72.6	972	7	CV142667

CO164511	FLD1_48_B
AU118914	AU118914
AU119887	AU119887
CV138751	EST849960
CV146150	EST857359
CV146322	EST857531
CV147032	EST858241
AU122250	AU122250
CV144411	EST855620
CN785598	EST784289
CV145865	EST857074
BG546104	602573520
CV147259	EST858468
CV148235	EST859444
AU118624	AU118624
CV147448	EST858657
CO364622	RTK1_16_G
CV146061	EST857270
CO200603	GEO2_8_A0
CO413293	EST843678
CO200521	GEO2_8_A0
CO200564	GEO2_8_E0
BU175852	AGENCOURT
BG327666	602426661
CO365092	RTK1_23_D
CV143764	EST854973
CV148166	EST859375
CV138149	EST849358
CV146551	EST857760
CO161502	FLD1_29_F
CV143657	EST854866
CV141507	EST852716
CV148164	EST859373
CO410856	EST841241
CV137675	EST848884
CN783950	EST782641
CV148284	EST859493
CN784104	EST782795
CV137686	EST848895
CV143051	EST854260
CV135780	EST846989
CV149015	EST860224
CV144225	EST855434
CV137714	EST848923
CV138245	EST849454
CV147438	EST858647
CV138626	EST849835
CV141727	EST852936
CV143550	EST854759
CV149224	EST860433
CO413826	EST844211
CO412304	EST842689
CO413709	EST844094
CV142909	EST854118
CV147279	EST858488
CV138120	EST849329
CV140743	EST851952
CN785498	EST784189
CO413327	EST843712
CV138090	EST849299
BF683786	602140069
BQ958339	AGENCOURT
CV148639	EST859848
BF984600	602309925
CN783689	EST782380
CO411977	EST842362
CN784921	EST783612
CV142941	EST854150
CV146756	EST857965
CV138901	EST850110
CV141360	EST852569
CV147074	EST858283
CV142667	EST853876

c 244	19.6	72.6	974	7	CV147328	CV147328	EST858537
c 245	19.6	72.6	981	7	CV137255	CV137255	EST848464
c 246	19.6	72.6	983	7	CV143539	CV143539	EST854748
c 247	19.6	72.6	985	7	CV137941	CV137941	EST849150
c 248	19.6	72.6	987	7	CV137368	CV137368	EST848577
c 249	19.6	72.6	987	7	CV147245	CV147245	EST858454
c 250	19.6	72.6	989	7	CV147802	CV147802	EST859011
c 251	19.6	72.6	993	7	CV146651	CV146651	EST857860
c 252	19.6	72.6	995	7	CN783900	CN783900	EST782591
c 253	19.6	72.6	998	7	CV140003	CV140003	EST851212
c 254	19.4	71.9	716	9	AG327610	AG327610	Mus muscu
255	19.2	71.1	359	5	BU605901	BU605901	As_adfg_1
c 256	19.2	71.1	548	4	BJ071194	BJ071194	BJ071194
257	19.2	71.1	584	9	CC767455	CC767455	CH240_133
c 258	19.2	71.1	615	9	CE357989	CE357989	tigr-gss-
259	19.2	71.1	628	4	BJ577531	BJ577531	BJ577531
260	19.2	71.1	642	8	BH035404	BH035404	RPCI-24-2
c 261	19.2	71.1	737	1	AU118950	AU118950	AU118950
262	19.2	71.1	747	9	AG345532	AG345532	Mus muscu
263	19.2	71.1	751	8	BZ487858	BZ487858	BONNP21TR
c 264	19.2	71.1	768	1	AU141766	AU141766	AU141766
c 265	19.2	71.1	770	1	AU141587	AU141587	AU141587
c 266	19.2	71.1	791	1	AU118586	AU118586	AU118586
c 267	19.2	71.1	792	1	AU122395	AU122395	AU122395
c 268	19.2	71.1	800	1	AU119860	AU119860	AU119860
c 269	19.2	71.1	800	1	AU142620	AU142620	AU142620
270	19.2	71.1	908	8	BH161300	BH161300	ENTRZ19TF
271	19.2	71.1	934	8	AZ540510	AZ540510	ENTEI33TF
272	19.2	71.1	950	7	CK290258	CK290258	EST752972
c 273	19	70.4	391	5	BP744846	BP744846	BP744846
274	19	70.4	419	1	AJ632806	AJ632806	AJ632806
275	19	70.4	543	8	BH071280	BH071280	RPCI-24-2
276	19	70.4	555	4	BG304301	BG304301	fl34c01.x
c 277	19	70.4	621	6	CA273830	CA273830	SCRLSD100
278	19	70.4	654	4	BI878952	BI878952	fl85f12.x
279	19	70.4	677	9	CE508861	CE508861	tigr-gss-
c 280	19	70.4	761	9	CE358204	CE358204	tigr-gss-
281	19	70.4	774	9	BX966335	BX966335	Forward s
c 282	19	70.4	796	1	AU117892	AU117892	AU117892
c 283	19	70.4	801	7	CK698313	CK698313	ZF101-P00
c 284	19	70.4	802	1	AU120367	AU120367	AU120367
c 285	19	70.4	853	5	BU182920	BU182920	AGENCOURT
c 286	19	70.4	861	5	BU172696	BU172696	AGENCOURT
c 287	19	70.4	869	5	BQ232661	BQ232661	AGENCOURT
c 288	19	70.4	889	5	BU902552	BU902552	AGENCOURT
c 289	19	70.4	898	5	BQ720062	BQ720062	AGENCOURT
c 290	19	70.4	902	5	BQ893354	BQ893354	AGENCOURT
c 291	19	70.4	911	4	BG032807	BG032807	602298472
c 292	19	70.4	916	5	BU902726	BU902726	AGENCOURT
293	19	70.4	918	9	CR195179	CR195179	Forward s
c 294	19	70.4	921	5	BQ893263	BQ893263	AGENCOURT
c 295	19	70.4	997	4	BM476136	BM476136	AGENCOURT
c 296	18.8	69.6	204	8	AZ512556	AZ512556	1M0358E18
c 297	18.8	69.6	281	8	BH792901	BH792901	SALK_0670
298	18.8	69.6	518	4	BI513718	BI513718	BB160013B
299	18.8	69.6	518	9	CNS00PWR	AL085065	Arabidops
c 300	18.8	69.6	576	4	BM489786	BM489786	pgm2n.pk0
c 301	18.8	69.6	601	5	BU417570	BU417570	603234926
302	18.8	69.6	646	7	CR791843	CR791843	DKFZp468N
c 303	18.8	69.6	668	4	BM604358	BM604358	170006870
c 304	18.8	69.6	690	9	AG080608	AG080608	Pan trogl
c 305	18.8	69.6	720	6	CA145869	CA145869	SCVPRT207
c 306	18.8	69.6	722	8	BZ026726	BZ026726	oei54h06.
c 307	18.8	69.6	953	5	BU253283	BU253283	603743526
308	18.6	68.9	153	6	CB365805	CB365805	ZF001-P00
c 309	18.6	68.9	220	6	CB972517	CB972517	CAB30001_
c 310	18.6	68.9	228	9	CG664914	CG664914	OST452653
311	18.6	68.9	229	1	AV280851	AV280851	AV280851
c 312	18.6	68.9	241	7	CK759861	CK759861	eca01-13c
313	18.6	68.9	247	6	CB972793	CB972793	CAB30001_
314	18.6	68.9	258	7	CK711371	CK711371	ZF201-P00
315	18.6	68.9	272	9	AG230278	AG230278	Lotus cor
c 316	18.6	68.9	322	4	BG193002	BG193002	RST12127
c 317	18.6	68.9	340	1	AA904612	AA904612	oj72c02.s
c 318	18.6	68.9	379	8	AZ288983	AZ288983	RPCI-23-1
c 319	18.6	68.9	386	5	BY307395	BY307395	BY307395
c 320	18.6	68.9	395	8	AQ191746	AQ191746	HS_3228_A
321	18.6	68.9	400	6	CB358417	CB358417	ZF001-P00
c 322	18.6	68.9	432	5	BY006060	BY006060	BY006060
323	18.6	68.9	515	7	CO327170	CO327170	EP06229.3
c 324	18.6	68.9	532	8	AQ428933	AQ428933	CITBI-E1-
325	18.6	68.9	538	6	CB358622	CB358622	ZF001-P00
c 326	18.6	68.9	550	8	AQ428606	AQ428606	CITBI-E1-
327	18.6	68.9	567	8	AQ775722	AQ775722	HS_2173_B
c 328	18.6	68.9	572	4	BJ650589	BJ650589	BJ650589
329	18.6	68.9	577	9	AG221005	AG221005	Lotus cor
330	18.6	68.9	581	9	CL589213	CL589213	OB__Ba009
c 331	18.6	68.9	586	9	CL566239	CL566239	OB__Ba003
c 332	18.6	68.9	592	9	CE184372	CE184372	tigr-gss-
333	18.6	68.9	616	8	B64372	B64372	CIT-HSP-202
c 334	18.6	68.9	632	1	AL751200	AL751200	AL751200
335	18.6	68.9	634	4	BI098208	BI098208	IP1_29_D1
336	18.6	68.9	638	4	BI098209	BI098209	IP1_29_D1
c 337	18.6	68.9	643	1	AA951884	AA951884	LD32755.5
c 338	18.6	68.9	643	5	BU439927	BU439927	604147352
339	18.6	68.9	646	7	CK691534	CK691534	ZF101-P00
c 340	18.6	68.9	663	5	BX250756	BX250756	BX250756
c 341	18.6	68.9	663	8	BZ002104	BZ002104	oee36e03.
c 342	18.6	68.9	668	9	CE216719	CE216719	tigr-gss-
343	18.6	68.9	674	8	BH066622	BH066622	RPCI-24-2
c 344	18.6	68.9	687	5	BX248938	BX248938	BX248938
c 345	18.6	68.9	691	7	CF397082	CF397082	RTDS2_26_
c 346	18.6	68.9	699	9	AG109637	AG109637	Pan trogl
347	18.6	68.9	701	9	CG703312	CG703312	ZMMBBc011
348	18.6	68.9	725	8	AQ269526	AQ269526	HS_2022_A
c 349	18.6	68.9	730	1	AU118982	AU118982	AU118982
c 350	18.6	68.9	736	1	AU117461	AU117461	AU117461
c 351	18.6	68.9	736	1	AU141500	AU141500	AU141500
c 352	18.6	68.9	737	1	AU118744	AU118744	AU118744
353	18.6	68.9	744	7	CK688261	CK688261	ZF101-P00
c 354	18.6	68.9	764	8	AZ183518	AZ183518	SP_1001_A
355	18.6	68.9	767	7	CO801360	CO801360	AGENCOURT
356	18.6	68.9	770	7	CO957572	CO957572	AGENCOURT
357	18.6	68.9	772	7	CK681415	CK681415	ZF101-P00
358	18.6	68.9	775	9	AG306138	AG306138	Mus muscu
359	18.6	68.9	778	7	CV111769	CV111769	AGENCOURT
c 360	18.6	68.9	781	1	AU117787	AU117787	AU117787
c 361	18.6	68.9	781	1	AU119192	AU119192	AU119192
c 362	18.6	68.9	782	1	AU141732	AU141732	AU141732
c 363	18.6	68.9	784	1	AU121693	AU121693	AU121693
c 364	18.6	68.9	785	1	AU122436	AU122436	AU122436
c 365	18.6	68.9	786	1	AU117438	AU117438	AU117438
c 366	18.6	68.9	786	1	AU122092	AU122092	AU122092
c 367	18.6	68.9	788	1	AU120004	AU120004	AU120004
c 368	18.6	68.9	788	1	AU120427	AU120427	AU120427
c 369	18.6	68.9	789	1	AU118823	AU118823	AU118823
c 370	18.6	68.9	789	1	AU122626	AU122626	AU122626
c 371	18.6	68.9	790	1	AU119195	AU119195	AU119195
c 372	18.6	68.9	790	1	AU119669	AU119669	AU119669
c 373	18.6	68.9	792	1	AU118460	AU118460	AU118460
c 374	18.6	68.9	792	1	AU119213	AU119213	AU119213
c 375	18.6	68.9	792	1	AU120148	AU120148	AU120148
c 376	18.6	68.9	793	1	AU117476	AU117476	AU117476
c 377	18.6	68.9	793	1	AU117736	AU117736	AU117736
c 378	18.6	68.9	794	1	AU118692	AU118692	AU118692
c 379	18.6	68.9	795	1	AU117554	AU117554	AU117554
c 380	18.6	68.9	795	1	AU141854	AU141854	AU141854
c 381	18.6	68.9	796	1	AU121598	AU121598	AU121598
c 382	18.6	68.9	796	1	AU143557	AU143557	AU143557
c 383	18.6	68.9	797	1	AU117266	AU117266	AU117266
c 384	18.6	68.9	798	1	AU141966	AU141966	AU141966
385	18.6	68.9	799	8	BZ151195	BZ151195	CH230-453
c 386	18.6	68.9	800	1	AU118080	AU118080	AU118080
387	18.6	68.9	801	7	CO958030	CO958030	AGENCOURT
c 388	18.6	68.9	803	1	AU141820	AU141820	AU141820
c 389	18.6	68.9	805	1	AU118106	AU118106	AU118106

c 390	18.6	68.9	807	1	AU119939	AU119939 AU119939
c 391	18.6	68.9	807	1	AU120429	AU120429 AU120429
c 392	18.6	68.9	808	1	AU119934	AU119934 AU119934
c 393	18.6	68.9	816	7	CK303074	CK303074 SB02017B1
394	18.6	68.9	818	7	CK694992	CK694992 ZF101-P00
c 395	18.6	68.9	821	1	AU119064	AU119064 AU119064
c 396	18.6	68.9	832	9	AJ584057	AJ584057 Equus cab
c 397	18.6	68.9	833	1	AU119252	AU119252 AU119252
398	18.6	68.9	834	7	CN024120	CN024120 AGENCOURT
c 399	18.6	68.9	835	5	BU355150	BU355150 603475251
c 400	18.6	68.9	841	7	CF515060	CF515060 CAP0001_I
c 401	18.6	68.9	849	1	AA673373	AA673373 vn51f04.r
c 402	18.6	68.9	854	1	AU118347	AU118347 AU118347
403	18.6	68.9	854	7	CN836622	CN836622 AGENCOURT
c 404	18.6	68.9	857	1	AU118045	AU118045 AU118045
c 405	18.6	68.9	858	4	BI462526	BI462526 603205431
c 406	18.6	68.9	859	1	AU121528	AU121528 AU121528
c 407	18.6	68.9	859	1	AU121682	AU121682 AU121682
c 408	18.6	68.9	860	1	AU121533	AU121533 AU121533
c 409	18.6	68.9	862	1	AU118261	AU118261 AU118261
c 410	18.6	68.9	862	1	AU118753	AU118753 AU118753
c 411	18.6	68.9	862	1	AU118759	AU118759 AU118759
c 412	18.6	68.9	863	1	AU118500	AU118500 AU118500
c 413	18.6	68.9	863	1	AU122790	AU122790 AU122790
c 414	18.6	68.9	866	1	AU118473	AU118473 AU118473
c 415	18.6	68.9	870	1	AU117993	AU117993 AU117993
416	18.6	68.9	874	7	CF824262	CF824262 EST701644
c 417	18.6	68.9	877	1	AU118669	AU118669 AU118669
c 418	18.6	68.9	881	1	AU141938	AU141938 AU141938
c 419	18.6	68.9	885	1	AU117359	AU117359 AU117359
c 420	18.6	68.9	900	1	AL542462	AL542462 AL542462
c 421	18.6	68.9	907	5	BX464451	BX464451 BX464451
c 422	18.6	68.9	911	7	CV141857	CV141857 EST853066
c 423	18.6	68.9	925	5	BX418166	BX418166 BX418166
c 424	18.6	68.9	950	4	BM458867	BM458867 AGENCOURT
c 425	18.6	68.9	974	2	BF688708	BF688708 602185360
c 426	18.6	68.9	999	9	AG580087	AG580087 Mus muscu
c 427	18.4	68.1	315	1	AJ676807	AJ676807 AJ676807
428	18.4	68.1	656	7	CF397743	CF397743 RTDS3_1_F
c 429	18.4	68.1	771	8	BZ506184	BZ506184 BONHX25TF
c 430	18.4	68.1	793	8	BZ046431	BZ046431 lki25f08.
431	18.4	68.1	798	7	CO158254	CO158254 FLD1_5_E0
c 432	18.2	67.4	170	8	BH101910	BH101910 RPCI-24-3
433	18.2	67.4	360	5	BX482322	BX482322 DKFZp686B
434	18.2	67.4	434	9	CG424094	CG424094 ZMMBBc004
435	18.2	67.4	468	4	BJ567146	BJ567146 BJ567146
436	18.2	67.4	478	6	CD128037	CD128037 MF1-0016P
437	18.2	67.4	488	8	BH900511	BH900511 Otb00053
438	18.2	67.4	519	9	CL628745	CL628745 OR_BBa002
439	18.2	67.4	530	1	AV529782	AV529782 AV529782
c 440	18.2	67.4	535	5	BW523630	BW523630 BW523630
c 441	18.2	67.4	547	9	AG267478	AG267478 Cyanidios
442	18.2	67.4	571	9	CL723343	CL723343 OR_BBa005
443	18.2	67.4	573	6	CA056178	CA056178 ssalrga51
444	18.2	67.4	580	7	CK772162	CK772162 960675 MA
445	18.2	67.4	583	9	CL732615	CL732615 OR_BBa006
c 446	18.2	67.4	595	9	CR065126	CR065126 Forward s
447	18.2	67.4	609	8	AZ353140	AZ353140 1M0091H22
c 448	18.2	67.4	614	2	AW238977	AW238977 xb35c08.y
449	18.2	67.4	631	4	BJ577523	BJ577523 BJ577523
c 450	18.2	67.4	632	7	CF441851	CF441851 EST678196
c 451	18.2	67.4	650	8	AZ238343	AZ238343 RPCI-23-3
c 452	18.2	67.4	661	8	AZ566864	AZ566864 227PvD09
453	18.2	67.4	663	1	AL694656	AL694656 AL694656
c 454	18.2	67.4	672	8	CC142786	CC142786 NDL.73J23
c 455	18.2	67.4	682	9	AG354725	AG354725 Mus muscu
456	18.2	67.4	688	7	CK288486	CK288486 EST751208
c 457	18.2	67.4	696	4	BJ534519	BJ534519 BJ534519
458	18.2	67.4	715	7	CK286309	CK286309 EST749031
459	18.2	67.4	728	7	CK289576	CK289576 EST752298
c 460	18.2	67.4	735	1	AU141488	AU141488 AU141488
c 461	18.2	67.4	747	5	BQ989227	BQ989227 QGF17B14.
c 462	18.2	67.4	749	5	BU013006	BU013006 QGJ3H20.y
c 463	18.2	67.4	755	1	AU119715	AU119715 AU119715
c 464	18.2	67.4	756	5	BU311958	BU311958 603540495
465	18.2	67.4	759	7	CK297489	CK297489 EST760203
466	18.2	67.4	764	7	CK284724	CK284724 EST747446
c 467	18.2	67.4	778	1	AU122186	AU122186 AU122186
c 468	18.2	67.4	779	1	AU141696	AU141696 AU141696
c 469	18.2	67.4	784	1	AU119296	AU119296 AU119296
c 470	18.2	67.4	786	1	AU121560	AU121560 AU121560
c 471	18.2	67.4	788	1	AU121411	AU121411 AU121411
c 472	18.2	67.4	792	1	AU122000	AU122000 AU122000
c 473	18.2	67.4	807	4	BG344649	BG344649 HVSMEg000
c 474	18.2	67.4	833	1	AU119711	AU119711 AU119711
c 475	18.2	67.4	853	5	BX438616	BX438616 BX438616
c 476	18.2	67.4	857	1	AU120332	AU120332 AU120332
c 477	18.2	67.4	865	1	AU119896	AU119896 AU119896
478	18.2	67.4	870	9	CR101405	CR101405 Forward s
c 479	18.2	67.4	872	9	CC861331	CC861331 NDL.22B5.
c 480	18.2	67.4	887	5	BP223978	BP223978 BP223978
481	18.2	67.4	968	2	BE959081	BE959081 601644851
c 482	18	66.7	150	1	AA249254	AA249254 hfe0667.s
c 483	18	66.7	162	4	BM722720	BM722720 UI-E-EO0-
484	18	66.7	182	1	AJ797570	AJ797570 AJ797570
c 485	18	66.7	201	1	AA303840	AA303840 EST16680
c 486	18	66.7	212	1	AL702755	AL702755 DKFZp686O
487	18	66.7	222	9	AG265890	AG265890 Homo sapi
488	18	66.7	226	1	AV271185	AV271185 AV271185
c 489	18	66.7	226	7	CN393271	CN393271 170004245
c 490	18	66.7	231	1	AA095357	AA095357 l3700.seq
491	18	66.7	234	7	CN230950	CN230950 WLB016G05
c 492	18	66.7	247	8	AZ338369	AZ338369 1M0069I24
c 493	18	66.7	248	7	CV315654	CV315654 CM1-MT024
c 494	18	66.7	251	1	AA095588	AA095588 15268.seq
c 495	18	66.7	251	7	N89233	N89233 K8588F Huma
496	18	66.7	253	5	BQ334369	BQ334369 QV1-MT016
c 497	18	66.7	258	7	CV316144	CV316144 CM1-NT027
c 498	18	66.7	260	1	AA303520	AA303520 EST16425
499	18	66.7	265	7	CR766386	CR766386 DKFZp469D
c 500	18	66.7	265	7	CV141791	CV141791 EST853000
c 501	18	66.7	270	1	AA375244	AA375244 EST87489
502	18	66.7	273	7	CV316142	CV316142 CM1-NT027
503	18	66.7	279	5	BQ301905	BQ301905 RC2-BT025
504	18	66.7	280	8	BH324102	BH324102 CH230-15G
c 505	18	66.7	281	7	T53233	T53233 ya86e02.r1
c 506	18	66.7	285	2	BF905692	BF905692 CM1-MT024
507	18	66.7	285	7	CV316151	CV316151 CM1-NT027
c 508	18	66.7	298	4	BM705922	BM705922 UI-E-DW0-
c 509	18	66.7	298	7	N87857	N87857 K0401F Huma
c 510	18	66.7	304	1	AA356523	AA356523 EST65084
c 511	18	66.7	304	6	CD588922	CD588922 RK049A1F0
512	18	66.7	305	1	AV412533	AV412533 AV412533
513	18	66.7	308	8	AZ063924	AZ063924 RPCI-23-4
514	18	66.7	316	7	CV315632	CV315632 CM1-MT024
515	18	66.7	320	7	CO988352	CO988352 UMC-pd3en
516	18	66.7	323	8	BZ137856	BZ137856 CH230-386
c 517	18	66.7	327	7	CV315655	CV315655 CM1-MT024
c 518	18	66.7	327	7	T50544	T50544 yb30d04.r1
c 519	18	66.7	331	7	N86565	N86565 J8887F Huma
c 520	18	66.7	332	7	T12097	T12097 A786R Heart
521	18	66.7	333	7	CN249688	CN249688 EST015607
c 522	18	66.7	333	7	CV315629	CV315629 CM1-MT024
c 523	18	66.7	335	1	AA487812	AA487812 ab11f04.r
c 524	18	66.7	338	1	AA384208	AA384208 EST97739
525	18	66.7	339	7	CV321705	CV321705 CM3-GN033
c 526	18	66.7	340	5	BQ317528	BQ317528 QV0-CT038
c 527	18	66.7	342	6	CD115100	CD115100 ME1-0036T
c 528	18	66.7	343	7	CV315630	CV315630 CM1-MT024
c 529	18	66.7	344	2	BE905999	BE905999 601495494
530	18	66.7	348	4	BG877013	BG877013 IL2-HT043
531	18	66.7	348	7	CN692782	CN692782 E0327F12-
c 532	18	66.7	351	7	CV316124	CV316124 CM1-NT027
c 533	18	66.7	354	6	CB150151	CB150151 K-EST0206
534	18	66.7	357	7	CO937202	CO937202 UMC-pd12c
c 535	18	66.7	357	7	CV369601	CV369601 PM2-HT100

c 536	18	66.7	359	6	C02085	C02085 HUMGS000640
c 537	18	66.7	361	1	AA296402	AA296402 EST10888
c 538	18	66.7	362	7	CN393136	CN393136 170006000
c 539	18	66.7	363	7	CV315627	CV315627 CM1-MT024
c 540	18	66.7	365	7	CV316131	CV316131 CM1-NT027
541	18	66.7	368	7	CV369088	CV369088 PM2-HT022
c 542	18	66.7	370	7	CK679411	CK679411 ZF101-P00
c 543	18	66.7	371	2	BF724676	BF724676 bx07e09.y
c 544	18	66.7	371	7	CV315689	CV315689 CM1-MT027
545	18	66.7	374	4	BG125883	BG125883 EST471529
546	18	66.7	374	4	BG126087	BG126087 EST471733
547	18	66.7	374	5	BQ334345	BQ334345 QV1-MT016
c 548	18	66.7	376	6	CB139787	CB139787 K-EST0192
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	829	18	66.7	660	5	BX485277	BX485277	DKFZp686I		902	18	66.7	727	9	AG304373	AG304373	Mus muscu
c	830	18	66.7	661	6	BY720550	BY720550	BY720550	c	903	18	66.7	727	9	CE231865	CE231865	tigr-gss-
c	831	18	66.7	663	2	BE906479	BE906479	601502431	c	904	18	66.7	728	2	AW213054	AW213054	un98g06.y
	832	18	66.7	664	8	BZ009960	BZ009960	oej74e07.		905	18	66.7	728	5	BX882079	BX882079	BX882079
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c	837	18	66.7	667	4	BG252475	BG252475	602366209	c	910	18	66.7	731	2	BE875872	BE875872	601487337
c	838	18	66.7	667	7	CK002195	CK002195	AGENCOURT	c	911	18	66.7	731	7	CN393288	CN393288	170004245
c	839	18	66.7	669	2	BE886530	BE886530	601508261		912	18	66.7	731	9	AG384086	AG384086	Mus muscu
c	840	18	66.7	669	6	CB552303	CB552303	MMSP0019_	c	913	18	66.7	732	7	CN393213	CN393213	170004236
c	841	18	66.7	669	7	CN393216	CN393216	170006001	c	914	18	66.7	732	7	CN393229	CN393229	170004248
c	842	18	66.7	671	4	BG747899	BG747899	602705746		915	18	66.7	732	8	AZ626375	AZ626375	1M0466P02
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c	849	18	66.7	678	7	CN393184	CN393184	170006000	c	922	18	66.7	737	7	CN393182	CN393182	170004241
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c	853	18	66.7	682	4	BG251690	BG251690	602363586	c	926	18	66.7	739	7	CN393236	CN393236	170006001
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c	866	18	66.7	693	2	BF340048	BF340048	602036987	c	939	18	66.7	752	4	BI860185	BI860185	603387381
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	868	18	66.7	694	9	AG052672	AG052672	Pan trogl	c	941	18	66.7	755	7	CN393272	CN393272	170006000
	869	18	66.7	695	5	BQ353843	BQ353843	PM1-HT062		942	18	66.7	755	9	AG359063	AG359063	Mus muscu
c	870	18	66.7	697	6	CB551655	CB551655	MMSP0028_		943	18	66.7	755	9	AG507847	AG507847	Mus muscu
c	871	18	66.7	698	4	BG926591	BG926591	HNC4-1-C2		944	18	66.7	756	6	CD802747	CD802747	UI-M-GV0-
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	873	18	66.7	700	7	CK567404	CK567404	HO06K02w	c	946	18	66.7	759	4	BI668972	BI668972	603294968
c	874	18	66.7	700	7	CN393281	CN393281	170004252	c	947	18	66.7	759	7	CN393207	CN393207	170005999
c	875	18	66.7	701	4	BM014896	BM014896	603640820	c	948	18	66.7	760	1	AA195835	AA195835	zp98b11.r
c	876	18	66.7	702	7	CN393155	CN393155	170005319	c	949	18	66.7	762	2	BE888587	BE888587	601512971
c	877	18	66.7	702	7	CN393351	CN393351	170004179	c	950	18	66.7	763	2	AW161553	AW161553	au82g06.y
c	878	18	66.7	704	2	BE905048	BE905048	601496872	c	951	18	66.7	763	7	CN393173	CN393173	170005830
c	879	18	66.7	705	4	BM722492	BM722492	UI-E-EO0-	c	952	18	66.7	763	7	CN393241	CN393241	170004706
c	880	18	66.7	707	6	CD523380	CD523380	AGENCOURT	c	953	18	66.7	764	7	CN393244	CN393244	170004240
c	881	18	66.7	707	7	CN393292	CN393292	170006003		954	18	66.7	764	9	CG225116	CG225116	OGXBP09TV
c	882	18	66.7	709	8	BH041414	BH041414	RPCI-24-3	c	955	18	66.7	765	4	BI092167	BI092167	602856403
	883	18	66.7	710	5	BP134737	BP134737	BP134737	c	956	18	66.7	766	1	AU118869	AU118869	AU118869
c	884	18	66.7	711	5	BQ179089	BQ179089	UI-M-EV0-	c	957	18	66.7	766	6	CD104052	CD104052	AGENCOURT
c	885	18	66.7	711	7	CN393345	CN393345	170004247	c	958	18	66.7	767	2	BF339159	BF339159	602038464
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c	889	18	66.7	718	1	AU117572	AU117572	AU117572	c	962	18	66.7	769	4	BI860788	BI860788	603390730
c	890	18	66.7	718	7	CN393193	CN393193	170004240	c	963	18	66.7	769	7	CN393232	CN393232	170004245
c	891	18	66.7	718	8	AZ301070	AZ301070	SE30 Syne	c	964	18	66.7	770	4	BG761954	BG761954	602718195
c	892	18	66.7	719	2	BE388086	BE388086	601284402	c	965	18	66.7	770	7	CN393344	CN393344	170004240
c	893	18	66.7	720	7	CN393188	CN393188	328781358	c	966	18	66.7	772	1	AU117936	AU117936	AU117936
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c	896	18	66.7	723	7	CN393266	CN393266	170005326		969	18	66.7	773	9	AG486673	AG486673	Mus muscu
c	897	18	66.7	724	4	BG334938	BG334938	602461264	c	970	18	66.7	776	5	BQ226552	BQ226552	AGENCOURT
c	898	18	66.7	724	4	BI856882	BI856882	603387684	c	971	18	66.7	776	6	CA912065	CA912065	PCSC19073
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c 979	18	66.7	782	8	BH096976	BH096976 RPCI-24-2
c 980	18	66.7	783	4	BM014201	BM014201 603639896
c 981	18	66.7	785	2	BF338320	BF338320 602035551
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c 991	18	66.7	791	1	AU119276	AU119276 AU119276
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c 993	18	66.7	792	4	BI858794	BI858794 603388705
c 994	18	66.7	795	2	BE383683	BE383683 601273076
c 995	18	66.7	795	4	BI254356	BI254356 602976656
c 996	18	66.7	795	4	BM014679	BM014679 603640483
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ALIGNMENTS

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RESULT 1
CL678320/c
LOCUS       CL678320                745 bp    DNA     linear   GSS 09-JUL-2004
DEFINITION  PRI0122c_F04_2 - PRI0122c.BR (745) Mixed stage fosmid library of P.
            pacificus var. California Pristionchus pacificus genomic, genomic
            survey sequence.
ACCESSION   CL678320
VERSION     CL678320.1  GI:50184583
KEYWORDS    GSS.
SOURCE      Pristionchus pacificus
  ORGANISM  Pristionchus pacificus
            Eukaryota; Metazoa; Nematoda; Chromadorea; Diplogasterida;
            Neodiplogasteridae; Pristionchus.
REFERENCE   1  (bases 1 to 745)
  AUTHORS   Srinivasan,J., Otto,G.W., Kahlow,U., Geisler,R. and Sommer,R.J.
  TITLE     AppaDB: an AcedB database for the nematode satellite organism
            Pristionchus pacificus
  JOURNAL   Nucleic Acids Res. 32 (1), D421-D422 (2004)
COMMENT     Contact: Sommer RJ
            Evolutionary Biology
            Max-Planck-Institute for Developmental Biology
            Spemannstr. 37-39, Tuebingen D-72076, Germany
            Tel: 00497071601371
            Fax: 00497071601498
            Email: ralf.sommer@tuebingen.mpg.de
            This library was generated at Caltech, Pasadena, USA and end
            sequenced at Vancouver, Canada.
            Seq primer: T7
            Class: fosmid ends.
FEATURES             Location/Qualifiers
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ORIGIN

  Query Match             100.0%;  Score 27;  DB 9;  Length 745;
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  Matches   27;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          1 AAAACACCTCTTCCTGCGATTTCTCAC 27
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Db        503 AAAACACCTCTTCCTGCGATTTCTCAC 477


RESULT 2
AU119420/c
LOCUS       AU119420                783 bp    mRNA    linear   EST 01-AUG-2002
DEFINITION  AU119420 HEMBA1 Homo sapiens cDNA clone HEMBA1005757 5', mRNA
            sequence.
ACCESSION   AU119420
VERSION     AU119420.1  GI:10934655
KEYWORDS    EST.
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1  (bases 1 to 783)
  AUTHORS   Ota,T., Nishikawa,T., Suzuki,Y., Ishii,S., Saito,K., Kawai,Y.,
            Yamamoto,J., Wakamatsu,A., Nakamura,Y., Nagai,T., Sugano,S. and
            Isogai,T.
  TITLE     HRI human cDNA project
  JOURNAL   Unpublished (2000)
COMMENT     Contact: Takao Isogai
            Genomics Laboratory
            Helix Research Institute
            1532-3 Yana, Kisarazu, Chiba 292-0812, Japan
            Tel: 81-438-52-3975
            Fax: 81-438-52-3986
            Email: genomics@hri.co.jp
            HRI human cDNA project; 5'- & 3'-end one pass sequencing: Helix
            Research Institute; cDNA library construction: Department of
            Virology, Institute of Medical Science, University of Tokyo, and
            Helix Research Institute.
FEATURES             Location/Qualifiers
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                     /mol_type="mRNA"
                     /db_xref="taxon:9606"
                     /clone="HEMBA1005757"
                     /tissue_type="whole embryo, mainly head"
                     /dev_stage="embryo, 10 weeks"
                     /clone_lib="HEMBA1"
                     /note="Vector: pME18SFL3"
ORIGIN

  Query Match             78.5%;  Score 21.2;  DB 1;  Length 783;
  Best Local Similarity   85.2%;  Pred. No. 1.4e+02;
  Matches   23;  Conservative    0;  Mismatches    4;  Indels    0;  Gaps    0;

Qy          1 AAAACACCTCTTCCTGCGATTTCTCAC 27
              ||| ||| |||||||||| |||||||  |
Db        728 AAAGCACNTCTTCCTGCAATTTCTCCC 702


RESULT 3
AZ752806
LOCUS       AZ752806                272 bp    DNA     linear   GSS 25-JAN-2001
DEFINITION  RPCI-24-116A6.TJ RPCI-24 Mus musculus genomic clone RPCI-24-116A6,
            genomic survey sequence.
ACCESSION   AZ752806
VERSION     AZ752806.1  GI:12537965
KEYWORDS    GSS.
SOURCE      Mus musculus (house mouse)
  ORGANISM  Mus musculus
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE   1  (bases 1 to 272)
  AUTHORS   Zhao,S., Nierman,W., Malek,J., Shatsman,S., Akinret,B., Levins,M.,
            Tsegaye,G., Geer,K., Krol,M., Shvartsbeyn,A., Gebregeorgis,E.,
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GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: April 16, 2005, 01:19:30 ; Search time 64.8505 Seconds
(without alignments)
681.251 Million cell updates/sec

Title: US-10-025-137B-6
Perfect score: 27
Sequence: 1 aaaacacctcttcctgcgatttctcac 27

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2198208

Minimum DB seq length: 0
Maximum DB seq length: 1000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database : Issued_Patents_NA:*
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6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
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c	2	19.6	72.6	348	4	US-09-640-211A-1742	Sequence 1742, Ap
c	3	19.2	71.1	601	4	US-09-949-016-65388	Sequence 65388, A
	4	17.6	65.2	601	4	US-09-949-016-38523	Sequence 38523, A
	5	17.6	65.2	601	4	US-09-949-016-152047	Sequence 152047,
	6	17.6	65.2	601	4	US-09-949-016-152120	Sequence 152120,
	7	17.6	65.2	601	4	US-09-949-016-152193	Sequence 152193,
	8	17.6	65.2	601	4	US-09-949-016-152266	Sequence 152266,
	9	17.6	65.2	601	4	US-09-949-016-159352	Sequence 159352,
	10	17.6	65.2	601	4	US-09-949-016-159425	Sequence 159425,
	11	17.6	65.2	601	4	US-09-949-016-159498	Sequence 159498,
	12	17.6	65.2	601	4	US-09-949-016-159571	Sequence 159571,
	13	17.6	65.2	601	4	US-09-949-016-204129	Sequence 204129,
c	14	17.6	65.2	690	4	US-09-902-540-7374	Sequence 7374, Ap
c	15	17.6	65.2	909	4	US-09-381-989-5	Sequence 5, Appli
c	16	17.4	64.4	601	4	US-09-949-016-77820	Sequence 77820, A
c	17	17.2	63.7	601	4	US-09-949-016-27273	Sequence 27273, A
c	18	17.2	63.7	601	4	US-09-949-016-67052	Sequence 67052, A
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	20	17.2	63.7	659	3	US-08-976-259-113	Sequence 113, App
	21	17.2	63.7	659	4	US-09-956-004-113	Sequence 113, App
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	23	17	63.0	353	4	US-09-513-999C-34508	Sequence 34508, A
	24	17	63.0	411	4	US-09-513-999C-10896	Sequence 10896, A
c	25	17	63.0	601	4	US-09-949-016-152791	Sequence 152791,
	26	17	63.0	601	4	US-09-949-016-202028	Sequence 202028,
	27	17	63.0	601	4	US-09-949-016-202029	Sequence 202029,
	28	17	63.0	601	4	US-09-949-016-202030	Sequence 202030,
	29	16.8	62.2	804	4	US-09-902-540-7794	Sequence 7794, Ap
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	32	16.6	61.5	540	4	US-09-252-991A-9624	Sequence 9624, Ap
	33	16.6	61.5	548	4	US-09-270-767-6251	Sequence 6251, Ap
	34	16.6	61.5	548	4	US-09-270-767-21533	Sequence 21533, A
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	37	16.6	61.5	601	4	US-09-949-016-160572	Sequence 160572,
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	43	16.6	61.5	713	4	US-09-270-767-25410	Sequence 25410, A
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	57	16.4	60.7	601	4	US-09-949-016-182926	Sequence 182926,
c	58	16.4	60.7	787	4	US-09-620-312D-444	Sequence 444, App
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c	60	16.4	60.7	942	4	US-08-781-986A-531	Sequence 531, App
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	62	16.2	60.0	46	1	US-07-854-596B-10	Sequence 10, Appl
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109	16	59.3	645	4	US-09-312-283C-273	Sequence 273, App
c 110	16	59.3	702	4	US-09-489-039A-195	Sequence 195, App
c 111	16	59.3	747	4	US-08-956-171E-973	Sequence 973, App
c 112	16	59.3	747	4	US-08-781-986A-973	Sequence 973, App
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115	15.8	58.5	71	4	US-09-854-662-5	Sequence 5, Appli
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c 117	15.8	58.5	348	4	US-09-736-457-1019	Sequence 1019, Ap
c 118	15.8	58.5	348	4	US-09-614-124B-1019	Sequence 1019, Ap
c 119	15.8	58.5	348	4	US-09-671-325-1019	Sequence 1019, Ap
c 120	15.8	58.5	348	4	US-09-658-824-1019	Sequence 1019, Ap
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c 125	15.8	58.5	427	4	US-09-305-839-3	Sequence 3, Appli
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c 130	15.8	58.5	522	3	US-08-818-655-16	Sequence 16, Appl
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c 132	15.8	58.5	525	4	US-09-583-110-162	Sequence 162, App
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162	15.6	57.8	481	4	US-09-621-976-15612	Sequence 15612, A
c 163	15.6	57.8	491	4	US-09-854-133-343	Sequence 343, App
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c 201	15.4	57.0	528	4	US-09-621-976-1147	Sequence 1147, Ap
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c 245	15.4	57.0	624	4	US-09-248-796A-606	Sequence 606, App
c 246	15.4	57.0	674	4	US-09-270-767-1632	Sequence 1632, Ap

GenCore version 5.1.6

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(without alignments)
620.591 Million cell updates/sec

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Total number of hits satisfying chosen parameters: 9857118

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Post-processing: Minimum Match 0%
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Listing first 1000 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	27	100.0	27	15	US-10-025-137-6	Sequence 6, Appli
c	2	21.2	78.5	985	17	US-10-424-599-82584	Sequence 82584, A
c	3	19.6	72.6	329	18	US-10-856-499-1702	Sequence 1702, Ap
c	4	19.6	72.6	348	18	US-10-856-499-1742	Sequence 1742, Ap
c	5	19.6	72.6	449	10	US-09-918-995-15975	Sequence 15975, A
	6	18.6	68.9	201	18	US-10-719-993-19568	Sequence 19568, A
	7	18.6	68.9	201	19	US-10-741-600-39403	Sequence 39403, A
	8	18.6	68.9	638	18	US-10-767-701-8672	Sequence 8672, Ap
c	9	18.6	68.9	672	13	US-10-027-632-206505	Sequence 206505,
c	10	18.6	68.9	672	17	US-10-027-632-206505	Sequence 206505,
	11	18.6	68.9	840	17	US-10-282-122A-10840	Sequence 10840, A
c	12	18.2	67.4	518	18	US-10-437-963-83395	Sequence 83395, A
c	13	18.2	67.4	666	18	US-10-437-963-9460	Sequence 9460, Ap
	14	18.2	67.4	829	14	US-10-198-846-3988	Sequence 3988, Ap
c	15	18	66.7	201	19	US-10-741-600-58027	Sequence 58027, A
c	16	18	66.7	201	19	US-10-741-600-58030	Sequence 58030, A
	17	18	66.7	201	19	US-10-741-600-72133	Sequence 72133, A
	18	18	66.7	201	19	US-10-741-600-72141	Sequence 72141, A
	19	18	66.7	284	17	US-10-242-535A-35662	Sequence 35662, A
	20	18	66.7	284	17	US-10-085-783A-35662	Sequence 35662, A
c	21	18	66.7	311	18	US-10-437-963-9546	Sequence 9546, Ap
c	22	18	66.7	335	15	US-10-101-510-61	Sequence 61, Appl
c	23	18	66.7	335	18	US-10-283-975A-9	Sequence 9, Appli
c	24	18	66.7	396	9	US-09-974-300-4090	Sequence 4090, Ap
c	25	18	66.7	412	14	US-10-060-036-276	Sequence 276, App
c	26	18	66.7	415	17	US-10-242-535A-28511	Sequence 28511, A
c	27	18	66.7	415	17	US-10-085-783A-28511	Sequence 28511, A
c	28	18	66.7	421	14	US-10-060-036-304	Sequence 304, App
c	29	18	66.7	439	17	US-10-242-535A-7438	Sequence 7438, Ap
c	30	18	66.7	439	17	US-10-085-783A-7438	Sequence 7438, Ap
	31	18	66.7	445	18	US-10-425-115-115428	Sequence 115428,
c	32	18	66.7	472	17	US-10-242-535A-39057	Sequence 39057, A
c	33	18	66.7	472	17	US-10-085-783A-39057	Sequence 39057, A
c	34	18	66.7	473	14	US-10-060-036-231	Sequence 231, App
c	35	18	66.7	504	17	US-10-424-599-129828	Sequence 129828,
c	36	18	66.7	514	14	US-10-060-036-398	Sequence 398, App
c	37	18	66.7	514	14	US-10-060-036-406	Sequence 406, App
c	38	18	66.7	514	14	US-10-060-036-409	Sequence 409, App
	39	18	66.7	556	18	US-10-021-323-10664	Sequence 10664, A
c	40	18	66.7	556	18	US-10-363-345A-5551	Sequence 5551, Ap
	41	18	66.7	556	18	US-10-363-345A-5552	Sequence 5552, Ap
c	42	18	66.7	556	19	US-10-363-483A-5551	Sequence 5551, Ap
	43	18	66.7	556	19	US-10-363-483A-5552	Sequence 5552, Ap
c	44	18	66.7	563	15	US-10-102-524-740	Sequence 740, App
c	45	18	66.7	618	14	US-10-060-036-21	Sequence 21, Appl
c	46	18	66.7	751	14	US-10-060-036-242	Sequence 242, App
c	47	18	66.7	953	17	US-10-242-535A-38780	Sequence 38780, A
c	48	18	66.7	953	17	US-10-085-783A-38780	Sequence 38780, A
c	49	18	66.7	966	17	US-10-282-122A-41060	Sequence 41060, A
	50	17.8	65.9	768	9	US-09-738-626-945	Sequence 945, App
	51	17.6	65.2	302	18	US-10-357-930-60584	Sequence 60584, A
	52	17.6	65.2	405	9	US-09-864-761-4775	Sequence 4775, Ap
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c	55	17.6	65.2	700	18	US-10-767-701-3028	Sequence 3028, Ap
c	56	17.6	65.2	753	14	US-10-209-194-4	Sequence 4, Appli
c	57	17.6	65.2	753	14	US-10-147-286-1	Sequence 1, Appli
c	58	17.6	65.2	753	16	US-10-303-686A-1	Sequence 1, Appli
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	62	17.4	64.4	201	19	US-10-741-600-24736	Sequence 24736, A
	63	17.4	64.4	201	19	US-10-741-600-64763	Sequence 64763, A
	64	17.4	64.4	208	17	US-10-424-599-58215	Sequence 58215, A
	65	17.4	64.4	318	18	US-10-425-115-87091	Sequence 87091, A
c	66	17.4	64.4	553	18	US-10-363-345A-21393	Sequence 21393, A
	67	17.4	64.4	553	18	US-10-363-345A-21394	Sequence 21394, A
c	68	17.4	64.4	553	19	US-10-363-483A-21393	Sequence 21393, A
	69	17.4	64.4	553	19	US-10-363-483A-21394	Sequence 21394, A
	70	17.4	64.4	560	18	US-10-357-930-53244	Sequence 53244, A
c	71	17.4	64.4	597	18	US-10-363-345A-26843	Sequence 26843, A
	72	17.4	64.4	597	18	US-10-363-345A-26844	Sequence 26844, A
c	73	17.4	64.4	597	19	US-10-363-483A-26843	Sequence 26843, A
	74	17.4	64.4	597	19	US-10-363-483A-26844	Sequence 26844, A
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	76	17.4	64.4	676	13	US-10-027-632-121980	Sequence 121980,
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	78	17.4	64.4	676	17	US-10-027-632-121980	Sequence 121980,
	79	17.4	64.4	774	18	US-10-437-963-70351	Sequence 70351, A
c	80	17.4	64.4	776	17	US-10-424-599-7981	Sequence 7981, Ap
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c	82	17.2	63.7	268	10	US-09-923-876-2442	Sequence 2442, Ap
c	83	17.2	63.7	374	9	US-09-783-590-6181	Sequence 6181, Ap
c	84	17.2	63.7	486	14	US-10-060-036-597	Sequence 597, App

c	85	17.2	63.7	505	16	US-10-029-386-2042 Sequence 2042, Ap
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	87	17.2	63.7	659	9	US-09-956-004-113 Sequence 113, App
	88	17.2	63.7	659	18	US-10-808-570-113 Sequence 113, App
c	89	17.2	63.7	819	13	US-10-027-632-173523 Sequence 173523,
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c	93	17.2	63.7	819	17	US-10-027-632-173524 Sequence 173524,
c	94	17.2	63.7	819	17	US-10-027-632-173525 Sequence 173525,
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c	96	17	63.0	41	17	US-10-035-833A-2371 Sequence 2371, Ap
	97	17	63.0	227	17	US-10-424-599-126283 Sequence 126283,
	98	17	63.0	261	18	US-10-021-323-16527 Sequence 16527, A
c	99	17	63.0	275	17	US-10-424-599-20515 Sequence 20515, A
c	100	17	63.0	300	17	US-10-242-535A-48214 Sequence 48214, A
c	101	17	63.0	300	17	US-10-085-783A-48214 Sequence 48214, A
c	102	17	63.0	323	15	US-10-106-698-991 Sequence 991, App
c	103	17	63.0	342	17	US-10-242-535A-34474 Sequence 34474, A
c	104	17	63.0	342	17	US-10-085-783A-34474 Sequence 34474, A
	105	17	63.0	348	17	US-10-424-599-27845 Sequence 27845, A
	106	17	63.0	440	18	US-10-425-115-118003 Sequence 118003,
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	108	17	63.0	463	9	US-09-864-761-63 Sequence 63, Appl
	109	17	63.0	484	10	US-09-918-995-19214 Sequence 19214, A
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c	111	17	63.0	498	14	US-10-198-846-1693 Sequence 1693, Ap
	112	17	63.0	572	10	US-09-814-353-14165 Sequence 14165, A
	113	17	63.0	574	13	US-10-027-632-128234 Sequence 128234,
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	115	17	63.0	582	10	US-09-814-353-1418 Sequence 1418, Ap
	116	17	63.0	582	10	US-09-814-353-7780 Sequence 7780, Ap
c	117	17	63.0	598	13	US-10-027-632-181226 Sequence 181226,
c	118	17	63.0	598	17	US-10-027-632-181226 Sequence 181226,
	119	17	63.0	620	13	US-10-027-632-194924 Sequence 194924,
	120	17	63.0	620	17	US-10-027-632-194924 Sequence 194924,
c	121	17	63.0	713	17	US-10-425-114-31535 Sequence 31535, A
c	122	17	63.0	713	18	US-10-425-115-7658 Sequence 7658, Ap
	123	17	63.0	721	13	US-10-027-632-20550 Sequence 20550, A
	124	17	63.0	721	13	US-10-027-632-20551 Sequence 20551, A
	125	17	63.0	721	13	US-10-027-632-20552 Sequence 20552, A
	126	17	63.0	721	17	US-10-027-632-20550 Sequence 20550, A
	127	17	63.0	721	17	US-10-027-632-20551 Sequence 20551, A
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	133	17	63.0	768	19	US-10-363-483A-20774 Sequence 20774, A
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	143	17	63.0	828	17	US-10-027-632-156124 Sequence 156124,
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c	145	17	63.0	916	15	US-10-017-161-1297 Sequence 1297, Ap
	146	16.8	62.2	602	18	US-10-021-323-5548 Sequence 5548, Ap
c	147	16.8	62.2	639	18	US-10-425-115-80454 Sequence 80454, A
c	148	16.8	62.2	677	13	US-10-027-632-11761 Sequence 11761, A
c	149	16.8	62.2	677	17	US-10-027-632-11761 Sequence 11761, A
	150	16.8	62.2	826	18	US-10-437-963-81090 Sequence 81090, A
	151	16.8	62.2	954	19	US-10-774-355A-95 Sequence 95, Appl
	152	16.8	62.2	975	19	US-10-774-355A-94 Sequence 94, Appl
	153	16.6	61.5	201	18	US-10-741-601-20234 Sequence 20234, A
	154	16.6	61.5	201	18	US-10-741-601-20286 Sequence 20286, A
	155	16.6	61.5	201	18	US-10-741-601-20404 Sequence 20404, A
	156	16.6	61.5	201	18	US-10-741-601-20406 Sequence 20406, A
	157	16.6	61.5	201	19	US-10-741-600-55719 Sequence 55719, A
	158	16.6	61.5	201	19	US-10-741-600-55769 Sequence 55769, A
	159	16.6	61.5	201	19	US-10-741-600-55887 Sequence 55887, A
	160	16.6	61.5	201	19	US-10-741-600-55889 Sequence 55889, A
	161	16.6	61.5	232	18	US-10-437-963-49983 Sequence 49983, A
	162	16.6	61.5	358	17	US-10-424-599-97875 Sequence 97875, A
	163	16.6	61.5	419	18	US-10-425-115-39627 Sequence 39627, A
	164	16.6	61.5	453	11	US-09-732-627A-112 Sequence 112, App
	165	16.6	61.5	463	10	US-09-918-995-19675 Sequence 19675, A
	166	16.6	61.5	486	9	US-09-864-761-1203 Sequence 1203, Ap
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c	168	16.6	61.5	496	10	US-09-814-353-8498 Sequence 8498, Ap
	169	16.6	61.5	505	18	US-10-021-323-12544 Sequence 12544, A
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	171	16.6	61.5	507	18	US-10-363-345A-30428 Sequence 30428, A
c	172	16.6	61.5	507	19	US-10-363-483A-30427 Sequence 30427, A
	173	16.6	61.5	507	19	US-10-363-483A-30428 Sequence 30428, A
	174	16.6	61.5	525	15	US-10-156-761-3378 Sequence 3378, Ap
c	175	16.6	61.5	527	18	US-10-767-701-27738 Sequence 27738, A
c	176	16.6	61.5	536	13	US-10-027-632-51460 Sequence 51460, A
c	177	16.6	61.5	536	13	US-10-027-632-321306 Sequence 321306,
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c	179	16.6	61.5	536	17	US-10-027-632-321306 Sequence 321306,
c	180	16.6	61.5	542	18	US-10-021-323-12454 Sequence 12454, A
c	181	16.6	61.5	563	18	US-10-021-323-12358 Sequence 12358, A
	182	16.6	61.5	564	18	US-10-437-963-77667 Sequence 77667, A
c	183	16.6	61.5	583	11	US-09-969-034-3279 Sequence 3279, Ap
	184	16.6	61.5	585	13	US-10-027-632-225196 Sequence 225196,
	185	16.6	61.5	585	13	US-10-027-632-225197 Sequence 225197,
	186	16.6	61.5	585	17	US-10-027-632-225196 Sequence 225196,
	187	16.6	61.5	585	17	US-10-027-632-225197 Sequence 225197,
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	189	16.6	61.5	625	18	US-10-021-323-12268 Sequence 12268, A
	190	16.6	61.5	629	18	US-10-021-323-7283 Sequence 7283, Ap
c	191	16.6	61.5	639	17	US-10-282-122A-38152 Sequence 38152, A
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	193	16.6	61.5	711	17	US-10-424-599-22009 Sequence 22009, A
	194	16.6	61.5	746	13	US-10-027-632-148350 Sequence 148350,
	195	16.6	61.5	746	17	US-10-027-632-148350 Sequence 148350,
	196	16.6	61.5	785	9	US-09-966-881-49 Sequence 49, Appl
c	197	16.6	61.5	786	17	US-10-424-599-61113 Sequence 61113, A
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	204	16.6	61.5	924	19	US-10-774-355A-1202 Sequence 1202, Ap
	205	16.6	61.5	946	17	US-10-211-462-122 Sequence 122, App
	206	16.6	61.5	981	9	US-09-864-761-9568 Sequence 9568, Ap
	207	16.4	60.7	162	18	US-10-914-037-826 Sequence 826, App
c	208	16.4	60.7	283	16	US-10-029-386-15151 Sequence 15151, A
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	210	16.4	60.7	328	17	US-10-424-599-26962 Sequence 26962, A
	211	16.4	60.7	350	10	US-09-918-995-7588 Sequence 7588, Ap
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	214	16.4	60.7	377	9	US-09-867-701-6333 Sequence 6333, Ap
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	216	16.4	60.7	398	17	US-10-276-774-1247 Sequence 1247, Ap
	217	16.4	60.7	422	16	US-10-029-386-17826 Sequence 17826, A
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c	223	16.4	60.7	460	17	US-10-027-632-297272 Sequence 297272,
c	224	16.4	60.7	468	9	US-09-864-761-16293 Sequence 16293, A
c	225	16.4	60.7	468	14	US-10-082-830-42 Sequence 42, Appl
c	226	16.4	60.7	483	10	US-09-919-039-36 Sequence 36, Appl
	227	16.4	60.7	497	9	US-09-783-590-3009 Sequence 3009, Ap
c	228	16.4	60.7	520	9	US-09-878-178-87 Sequence 87, Appl
c	229	16.4	60.7	520	13	US-10-046-935-87 Sequence 87, Appl
c	230	16.4	60.7	520	14	US-10-146-502-87 Sequence 87, Appl

GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: April 15, 2005, 23:33:31 ; Search time 748.43 Seconds
(without alignments)
1748.047 Million cell updates/sec

Title: US-10-025-137B-7
Perfect score: 27
Sequence: 1 attttacctcttgtcttcccgtcttgg 27

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 4708233 seqs, 24227607955 residues

Total number of hits satisfying chosen parameters: 7317552

Minimum DB seq length: 0
Maximum DB seq length: 1000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database : GenEmbl:*
1: gb_ba:*
2: gb_htg:*
3: gb_in:*
4: gb_om:*
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6: gb_pat:*
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9: gb_pr:*
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11: gb_sts:*
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13: gb_un:*
14: gb_vi:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	27	100.0	27	6	AX781569	AX781569 Sequence
	2	19.6	72.6	722	6	A70147	A70147 Sequence 8
	3	19	70.4	368	6	CQ695078	CQ695078 Sequence
c	4	18.4	68.1	405	6	AR387692	AR387692 Sequence
c	5	18.2	67.4	341	6	CQ528326	CQ528326 Sequence
	6	18.2	67.4	815	11	BV062202	BV062202 S212P6804
c	7	18	66.7	354	14	AF191447	AF191447 HIV-1 iso
	8	18	66.7	401	11	BV194130	BV194130 sqnm18004
c	9	18	66.7	401	11	BV195104	BV195104 sqnm18339
c	10	18	66.7	612	11	G83369	G83369 S208P6445RA
c	11	18	66.7	618	6	CQ701513	CQ701513 Sequence
c	12	18	66.7	675	11	BV063484	BV063484 S212P6682
	13	18	66.7	924	9	HSA325632	AJ325632 Homo sapi
c	14	17.8	65.9	240	6	AX915276	AX915276 Sequence
c	15	17.8	65.9	240	6	BD050809	BD050809 Sequence
	16	17.8	65.9	448	6	CQ418347	CQ418347 Sequence
c	17	17.6	65.2	170	9	HS9B8R	Z64290 H.sapiens C
c	18	17.6	65.2	413	3	AY752302	AY752302 Unculture
c	19	17.6	65.2	423	11	G22275	G22275 human STS W
c	20	17.6	65.2	540	9	HSA417053	AJ417053 Homo sapi
c	21	17.6	65.2	583	11	BV161363	BV161363 RPAMMSEQ0
c	22	17.6	65.2	626	11	BV061598	BV061598 S212P6559
	23	17.6	65.2	658	11	BV159899	BV159899 RPAMMSEQ0
c	24	17.6	65.2	716	6	AX654920	AX654920 Sequence
	25	17.6	65.2	948	10	AF047686	AF047686 Mus muscu
	26	17.4	64.4	334	5	AY336573	AY336573 Pachyramp
.	27	17.4	64.4	334	6	CQ451923	CQ451923 Sequence
	28	17.4	64.4	537	11	BV052365	BV052365 S212P6338
c	29	17.4	64.4	557	5	AY578721	AY578721 Rivulus g
	30	17.4	64.4	608	11	BV019971	BV019971 S212P6033
c	31	17.4	64.4	613	11	BV090532	BV090532 RPAMMSEQ0
	32	17.4	64.4	622	11	BV029675	BV029675 S212P6044
c	33	17.4	64.4	627	11	BV098020	BV098020 RPAMMSEQ0
c	34	17.4	64.4	627	11	BV162867	BV162867 RPAMMSEQ0
	35	17.4	64.4	628	9	HS4COL5A10	U04480 Homo sapien
	36	17.4	64.4	638	6	CQ426786	CQ426786 Sequence
c	37	17.4	64.4	717	9	HSA341862	AJ341862 Homo sapi
c	38	17.4	64.4	834	6	AX606707	AX606707 Sequence
	39	17.4	64.4	855	6	CQ743573	CQ743573 Sequence
c	40	17.4	64.4	947	5	AY264088	AY264088 Doraops z
c	41	17.4	64.4	952	5	AY264085	AY264085 Agamyxis
c	42	17.4	64.4	956	5	AY264083	AY264083 Oxydoras
c	43	17.2	63.7	178	11	AU028188	AU028188 Rattus no
	44	17.2	63.7	355	9	HS276XB5	Z23964 H. sapiens
c	45	17.2	63.7	400	11	G17795	G17795 human STS S
	46	17.2	63.7	447	6	AX351381	AX351381 Sequence
	47	17.2	63.7	549	10	AF323433S4	AF323436 Rattus no
c	48	17.2	63.7	560	10	MMCATS7	AF051732 Mus muscu
c	49	17.2	63.7	571	6	AX379311	AX379311 Sequence
c	50	17.2	63.7	584	6	AX340201	AX340201 Sequence
	51	17.2	63.7	588	11	CNS06FFH	AL396339 T3 end of
	52	17.2	63.7	600	6	A85569	A85569 Sequence 22
	53	17.2	63.7	600	6	AR155062	AR155062 Sequence
	54	17.2	63.7	600	6	E65587	E65587 Genome DNA
	55	17.2	63.7	670	6	AX472230	AX472230 Sequence
	56	17.2	63.7	670	6	AX472231	AX472231 Sequence
c	57	17.2	63.7	680	6	AR170956	AR170956 Sequence
	58	17.2	63.7	818	11	BV063676	BV063676 S212P6906
	59	17	63.0	124	10	MUSTCSG06	D12556 Mus spretus
	60	17	63.0	124	10	S60570	S60570 T-cell surf
	61	17	63.0	172	3	AF263119	AF263119 Polybioid
	62	17	63.0	219	9	AY653498	AY653498 Homo sapi
	63	17	63.0	232	6	AX903014	AX903014 Sequence
	64	17	63.0	232	6	BD038547	BD038547 Sequence
	65	17	63.0	285	6	CQ111416	CQ111416 Sequence
	66	17	63.0	285	6	CQ150198	CQ150198 Sequence
	67	17	63.0	285	6	CQ233501	CQ233501 Sequence
	68	17	63.0	285	6	CQ271385	CQ271385 Sequence
	69	17	63.0	285	6	CQ308821	CQ308821 Sequence
	70	17	63.0	285	6	CQ345546	CQ345546 Sequence
c	71	17	63.0	303	3	AY303335	AY303335 Haliotis
c	72	17	63.0	312	6	BD059067	BD059067 Secreted
c	73	17	63.0	332	10	MMU06926	U06926 Mus musculu
	74	17	63.0	344	11	G36236	G36236 STS h14a226
	75	17	63.0	388	6	CQ456861	CQ456861 Sequence
c	76	17	63.0	396	6	I80047	I80047 Sequence 11
c	77	17	63.0	396	6	BD003128	BD003128 Secretory
c	78	17	63.0	420	14	AY579669	AY579669 HIV-1 iso
c	79	17	63.0	442	11	G50383	G50383 SHGC-78026
	80	17	63.0	459	6	E64962	E64962 cDNA sequen
	81	17	63.0	459	6	AX014538	AX014538 Sequence
	82	17	63.0	467	8	AF274184	AF274184 Acacia el
	83	17	63.0	492	6	AR487811	AR487811 Sequence
	84	17	63.0	492	6	AX708385	AX708385 Sequence
	85	17	63.0	500	6	CQ098281	CQ098281 Sequence
	86	17	63.0	500	6	CQ137174	CQ137174 Sequence
	87	17	63.0	500	6	CQ220505	CQ220505 Sequence
	88	17	63.0	500	6	CQ258813	CQ258813 Sequence
	89	17	63.0	500	6	CQ296316	CQ296316 Sequence
	90	17	63.0	500	6	CQ332808	CQ332808 Sequence
c	91	17	63.0	517	11	BV003606	BV003606 S208P6490
	92	17	63.0	529	6	AR016790	AR016790 Sequence

	93	17	63.0	529	6	AR020816
	94	17	63.0	529	6	AR027139
	95	17	63.0	529	6	AR038426
	96	17	63.0	529	6	AR064568
	97	17	63.0	529	6	AR067493
	98	17	63.0	529	6	I38445
	99	17	63.0	529	6	I56920
	100	17	63.0	529	6	I59786
	101	17	63.0	529	6	I75113
	102	17	63.0	529	6	AR409664
	103	17	63.0	529	8	TOBSAR82D
c	104	17	63.0	552	10	AY331237
	105	17	63.0	559	9	HSPA19G11
	106	17	63.0	560	6	AR016791
	107	17	63.0	560	6	AR016794
	108	17	63.0	560	6	AR020817
	109	17	63.0	560	6	AR020820
	110	17	63.0	560	6	AR027140
	111	17	63.0	560	6	AR027143
	112	17	63.0	560	6	AR038427
	113	17	63.0	560	6	AR038430
	114	17	63.0	560	6	AR064569
	115	17	63.0	560	6	AR064572
	116	17	63.0	560	6	AR067494
	117	17	63.0	560	6	AR067497
	118	17	63.0	560	6	I38446
	119	17	63.0	560	6	I38449
	120	17	63.0	560	6	I56921
	121	17	63.0	560	6	I56924
	122	17	63.0	560	6	I59787
	123	17	63.0	560	6	I59790
	124	17	63.0	560	6	I75114
	125	17	63.0	560	6	I75117
	126	17	63.0	560	6	AR409663
	127	17	63.0	560	8	TOBSAR82C
	128	17	63.0	566	8	AF017726
c	129	17	63.0	592	11	BV013674
c	130	17	63.0	601	11	BV187852
	131	17	63.0	705	9	HSA337991
	132	17	63.0	751	5	AF206543
	133	17	63.0	827	8	AY050450
c	134	17	63.0	827	11	CNS06KQ0
c	135	17	63.0	844	9	HSA340649
	136	16.8	62.2	434	3	AF359950
c	137	16.8	62.2	568	11	BV001869
	138	16.8	62.2	613	11	BV035524
	139	16.8	62.2	638	6	AX210518
	140	16.8	62.2	688	11	BV013087
c	141	16.8	62.2	840	6	AX594980
c	142	16.8	62.2	840	6	AX818898
c	143	16.8	62.2	840	6	AX829928
c	144	16.8	62.2	907	4	AF268462
	145	16.8	62.2	917	11	CNS06DNU
	146	16.6	61.5	65	6	CQ559112
c	147	16.6	61.5	128	6	CQ659508
c	148	16.6	61.5	157	6	AX341482
	149	16.6	61.5	176	9	AB051619
c	150	16.6	61.5	182	9	HS178E8R
c	151	16.6	61.5	201	11	BV174843
c	152	16.6	61.5	201	11	BV199299
c	153	16.6	61.5	201	11	BV200103
c	154	16.6	61.5	286	8	PCU20173
	155	16.6	61.5	321	6	CQ395978
	156	16.6	61.5	321	6	CQ402306
	157	16.6	61.5	325	6	AR427161
	158	16.6	61.5	325	6	AX987855
	159	16.6	61.5	325	6	BD122714
c	160	16.6	61.5	346	6	CQ751767
	161	16.6	61.5	347	11	G21915
	162	16.6	61.5	351	6	AX439217
	163	16.6	61.5	356	1	AF240480
c	164	16.6	61.5	371	1	AJ605701
c	165	16.6	61.5	377	1	AJ607328

AR020816 Sequence
AR027139 Sequence
AR038426 Sequence
AR064568 Sequence
AR067493 Sequence
I38445 Sequence 15
I56920 Sequence 15
I59786 Sequence 15
I75113 Sequence 15
AR409664 Sequence
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AY331237 Chaetodip
Z78939 H.sapiens f
AR016791 Sequence
AR016794 Sequence
AR020817 Sequence
AR020820 Sequence
AR027140 Sequence
AR027143 Sequence
AR038427 Sequence
AR038430 Sequence
AR064569 Sequence
AR064572 Sequence
AR067494 Sequence
AR067497 Sequence
I38446 Sequence 16
I38449 Sequence 19
I56921 Sequence 16
I56924 Sequence 19
I59787 Sequence 16
I59790 Sequence 19
I75114 Sequence 16
I75117 Sequence 19
AR409663 Sequence
M97360 Nicotiana t
AF017726 Candida l
BV013674 S209P6302
BV187852 sqnm15553
AJ337991 Homo sapi
AF206543 Mesalina
AY050450 Arabidops
AL403198 T3 end of
AJ340649 Homo sapi
AF359950 Penaeus (
BV001869 S208P6528
BV035524 S212P6848
AX210518 Sequence
BV013087 S212P6903
AX594980 Sequence
AX818898 Sequence
AX829928 Sequence
AF268462 Sus scrof
AL394048 T7 end of
CQ559112 Sequence
CQ659508 Sequence
AX341482 Sequence
AB051619 Homo sapi
Z54955 H.sapiens C
BV174843 sqnm74720
BV199299 sqnm20072
BV200103 sqnm20319
U20173 Pneumocysti
CQ395978 Sequence
CQ402306 Sequence
AR427161 Sequence
AX987855 Sequence
BD122714 EST and e
CQ751767 Sequence
G21915 human STS W
AX439217 Sequence
AF240480 Unculture
AJ605701 Unculture
AJ607328 Unculture

c	166	16.6	61.5	377	1	AJ608292
	167	16.6	61.5	391	6	CQ662892
	168	16.6	61.5	398	6	CQ408690
	169	16.6	61.5	400	3	AY140541
c	170	16.6	61.5	423	1	AY649348
c	171	16.6	61.5	426	11	G22500
c	172	16.6	61.5	442	11	G48729
c	173	16.6	61.5	450	11	G41689
	174	16.6	61.5	455	8	AF274175
c	175	16.6	61.5	466	1	ECL427646
	176	16.6	61.5	468	8	AF274171
	177	16.6	61.5	468	8	AF274201
c	178	16.6	61.5	479	1	ECL427644
c	179	16.6	61.5	480	1	ECL427648
c	180	16.6	61.5	481	1	ECL427636
c	181	16.6	61.5	509	8	AY074630
	182	16.6	61.5	528	3	AF100630
	183	16.6	61.5	528	11	G61257
c	184	16.6	61.5	546	11	BV066077
c	185	16.6	61.5	548	1	AB123586
c	186	16.6	61.5	554	1	AB123100
c	187	16.6	61.5	564	1	AB122806
c	188	16.6	61.5	564	1	AB122843
c	189	16.6	61.5	564	1	AB124198
c	190	16.6	61.5	564	1	AB124201
c	191	16.6	61.5	564	1	AB124346
c	192	16.6	61.5	564	1	AB124350
c	193	16.6	61.5	564	1	AB124354
c	194	16.6	61.5	564	1	AB124364
c	195	16.6	61.5	564	1	AB124391
c	196	16.6	61.5	564	1	AB124455
c	197	16.6	61.5	565	1	AB124389
c	198	16.6	61.5	566	11	BV027359
c	199	16.6	61.5	576	1	AY037694
c	200	16.6	61.5	578	11	BV014900
c	201	16.6	61.5	593	6	CQ071142
c	202	16.6	61.5	593	6	CQ100900
c	203	16.6	61.5	593	6	CQ139895
c	204	16.6	61.5	593	6	CQ176118
c	205	16.6	61.5	593	6	CQ223249
c	206	16.6	61.5	593	6	CQ261217
c	207	16.6	61.5	593	6	CQ298634
c	208	16.6	61.5	593	6	CQ335365
	209	16.6	61.5	607	6	AR409665
	210	16.6	61.5	607	8	TOBSAR82E
c	211	16.6	61.5	610	1	NSP244652
c	212	16.6	61.5	614	1	AY579811
c	213	16.6	61.5	622	1	NSP299232
	214	16.6	61.5	633	5	AF272097
	215	16.6	61.5	633	5	AF272098
c	216	16.6	61.5	635	1	AY154494
c	217	16.6	61.5	640	1	AY444841
c	218	16.6	61.5	649	10	MMU012054
	219	16.6	61.5	651	4	CFA431568
c	220	16.6	61.5	661	1	AY095384
c	221	16.6	61.5	672	1	AY159796
	222	16.6	61.5	681	11	BV061673
c	223	16.6	61.5	686	1	AY332118
c	224	16.6	61.5	686	6	BD220927
	225	16.6	61.5	695	11	BV209609
c	226	16.6	61.5	700	1	NSP244653
c	227	16.6	61.5	712	1	AY370626
c	228	16.6	61.5	726	11	CNS06K4Z
c	229	16.6	61.5	735	1	AY154591
c	230	16.6	61.5	741	1	ACF555194
c	231	16.6	61.5	741	1	ACF555195
c	232	16.6	61.5	741	1	ACF555198
c	233	16.6	61.5	741	1	ACF555201
c	234	16.6	61.5	741	1	ACF555204
c	235	16.6	61.5	741	1	AOF555221
c	236	16.6	61.5	741	1	AOF555223
c	237	16.6	61.5	741	1	AOF555227
	238	16.6	61.5	772	11	BV075525

AJ608292 Unculture
CQ662892 Sequence
CQ408690 Sequence
AY140541 Carabus p
AY649348 Unculture
G22500 human STS W
G48729 SHGC-83196
G41689 Z8884 Zebra
AF274175 Pararchid
AJ427646 unculture
AF274171 Ebenopsis
AF274201 Acacia mi
AJ427644 unculture
AJ427648 unculture
AJ427636 unculture
AY074630 Arabidops
AF100630 Brugia ma
G61257 SHGC-85570
BV066077 S212P6004
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AB123100 Hongia sp
AB122806 Hongia sp
AB122843 Hongia sp
AB124198 Hongia sp
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AB124346 Hongia sp
AB124350 Hongia sp
AB124354 Hongia sp
AB124364 Hongia sp
AB124391 Hongia sp
AB124455 Hongia sp
AB124389 Hongia sp
BV027359 S212P6148
AY037694 Unculture
BV014900 S209P6477
CQ071142 Sequence
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CQ139895 Sequence
CQ176118 Sequence
CQ223249 Sequence
CQ261217 Sequence
CQ298634 Sequence
CQ335365 Sequence
AR409665 Sequence
M97362 Nicotiana t
AJ244652 Nocardioi
AY579811 Unculture
AJ299232 Nocardioi
AF272097 Pseudomug
AF272098 Pseudomug
AY154494 Unculture
AY444841 Nocardioi
AJ012054 Mus Muscu
AJ431568 Canis fam
AY095384 Unculture
AY159796 Nocardioi
BV061673 S212P6040
AY332118 Aeromicro
BD220927 Human gen
BV209609 SRF_3467
AJ244653 Nocardioi
AY370626 Nocardiac
AL402441 T7 end of
AY154591 Unculture
AJ555194 unculture
AJ555195 unculture
AJ555198 unculture
AJ555201 unculture
AJ555204 unculture
AJ555221 Unculture
AJ555223 Unculture
AJ555227 Unculture
BV075525 S212P6577

c 239	16.6	61.5	773	1	AY327193	AY327193 Unculture
c 240	16.6	61.5	808	1	AY154521	AY154521 Unculture
241	16.6	61.5	817	5	CR387068	CR387068 Gallus ga
c 242	16.6	61.5	820	1	NSP244654	AJ244654 Nocardioi
243	16.6	61.5	832	1	AY540765	AY540765 Unculture
c 244	16.6	61.5	838	1	AF131632	AF131632 Nocardioi
c 245	16.6	61.5	838	1	AF131633	AF131633 Nocardioi
c 246	16.6	61.5	838	1	AF131634	AF131634 Nocardioi
c 247	16.6	61.5	839	1	AY154597	AY154597 Unculture
c 248	16.6	61.5	845	6	AX536608	AX536608 Sequence
c 249	16.6	61.5	895	1	AY494650	AY494650 Unculture
250	16.6	61.5	912	9	CR533531	CR533531 Homo sapi
c 251	16.6	61.5	918	8	AF532620	AF532620 Glycine m
252	16.6	61.5	967	6	AX508812	AX508812 Sequence
253	16.6	61.5	967	6	AX652306	AX652306 Sequence
c 254	16.6	61.5	972	1	AF491901	AF491901 Actinomyc
c 255	16.4	60.7	200	14	AY350417	AY350417 HIV-1 iso
c 256	16.4	60.7	225	14	AF144832	AF144832 HIV-1 iso
c 257	16.4	60.7	225	14	AF144868	AF144868 HIV-1 iso
c 258	16.4	60.7	246	9	PELYSC	X60234 P.entellus
259	16.4	60.7	251	11	BV167838	BV167838 sqnm6639
260	16.4	60.7	251	11	BV167985	BV167985 sqnm6975
261	16.4	60.7	255	6	AX210962	AX210962 Sequence
c 262	16.4	60.7	288	6	AX538686	AX538686 Sequence
c 263	16.4	60.7	290	11	BV003372	BV003372 S208P6397
264	16.4	60.7	292	11	BV015397	BV015397 S212P6011
c 265	16.4	60.7	294	8	AF324907	AF324907 Prunus ar
266	16.4	60.7	297	4	AY377239	AY377239 Phoca lar
267	16.4	60.7	306	11	G63743	G63743 G-101304 Ra
c 268	16.4	60.7	315	6	CQ467641	CQ467641 Sequence
c 269	16.4	60.7	319	6	AR421823	AR421823 Sequence
c 270	16.4	60.7	319	6	AX982517	AX982517 Sequence
c 271	16.4	60.7	319	6	BD117376	BD117376 EST and e
c 272	16.4	60.7	342	1	UBA314966	AJ314966 Unculture
c 273	16.4	60.7	342	6	AR422108	AR422108 Sequence
c 274	16.4	60.7	342	6	AX982802	AX982802 Sequence
c 275	16.4	60.7	342	6	BD117661	BD117661 EST and e
c 276	16.4	60.7	349	5	AF194246	AF194246 Uta stans
c 277	16.4	60.7	357	14	AF015740	AF015740 HIV-1 iso
c 278	16.4	60.7	357	14	AF522531S1	AF522531 HIV-1 iso
279	16.4	60.7	358	11	G17037	G17037 human STS S
c 280	16.4	60.7	361	14	AF051482	AF051482 HIV-1 iso
c 281	16.4	60.7	366	6	AX408188	AX408188 Sequence
282	16.4	60.7	368	6	AR418225	AR418225 Sequence
283	16.4	60.7	368	6	AX978919	AX978919 Sequence
284	16.4	60.7	368	6	BD113778	BD113778 EST and e
c 285	16.4	60.7	374	6	CQ475640	CQ475640 Sequence
c 286	16.4	60.7	384	14	AF023070	AF023070 HIV-1 iso
c 287	16.4	60.7	390	14	AF015400	AF015400 HIV-1 str
c 288	16.4	60.7	390	14	AF015401	AF015401 HIV-1 str
c 289	16.4	60.7	390	14	AF015402	AF015402 HIV-1 str
c 290	16.4	60.7	390	14	AF062048	AF062048 HIV-1 iso
c 291	16.4	60.7	390	14	AF062049	AF062049 HIV-1 iso
c 292	16.4	60.7	390	14	HIV4M1281	Z76104 HIV-1 RNA p
c 293	16.4	60.7	390	14	HIV4M1284	Z76106 HIV-1 RNA p
c 294	16.4	60.7	390	14	HIV4M1286	Z76108 HIV-1 RNA p
c 295	16.4	60.7	390	14	HIV4M1288	Z76110 HIV-1 RNA p
c 296	16.4	60.7	390	14	HIV4M1291	Z76112 HIV-1 RNA p
c 297	16.4	60.7	390	14	HIV4M3033	Z76126 HIV-1 RNA p
c 298	16.4	60.7	390	14	HIV4M3039	Z76127 HIV-1 RNA p
c 299	16.4	60.7	390	14	HIV566C01	Z76155 HIV-1 RNA p
c 300	16.4	60.7	390	14	HIV566C02	Z76156 HIV-1 RNA p
c 301	16.4	60.7	390	14	HIV566C03	Z76157 HIV-1 RNA p
c 302	16.4	60.7	390	14	HIV566C04	Z76158 HIV-1 RNA p
c 303	16.4	60.7	390	14	HIV566C08	Z76162 HIV-1 RNA p
c 304	16.4	60.7	390	14	HIV566C09	Z76163 HIV-1 RNA p
c 305	16.4	60.7	390	14	HIV566C10	Z76164 HIV-1 RNA p
c 306	16.4	60.7	390	14	HIV566C11	Z76165 HIV-1 RNA p
c 307	16.4	60.7	390	14	HIV566C14	Z76166 HIV-1 RNA p
c 308	16.4	60.7	390	14	HIV566M02	Z76178 HIV-1 RNA p
c 309	16.4	60.7	390	14	HIV566M03	Z76179 HIV-1 RNA p
c 310	16.4	60.7	390	14	HIV566M04	Z76180 HIV-1 RNA p
c 311	16.4	60.7	390	14	HIV566M05	Z76181 HIV-1 RNA p
c 312	16.4	60.7	390	14	HIV566M06	Z76182 HIV-1 RNA p
c 313	16.4	60.7	390	14	HIV566M08	Z76184 HIV-1 RNA p
c 314	16.4	60.7	390	14	HIV566M09	Z76185 HIV-1 RNA p
c 315	16.4	60.7	390	14	HIV566M10	Z76186 HIV-1 RNA p
c 316	16.4	60.7	390	14	HIV566M11	Z76187 HIV-1 RNA p
c 317	16.4	60.7	390	14	HIV6C1281	Z76252 HIV-1 RNA p
c 318	16.4	60.7	390	14	HIV6C1282	Z76253 HIV-1 RNA p
c 319	16.4	60.7	390	14	HIV6C1283	Z76254 HIV-1 RNA p
c 320	16.4	60.7	390	14	HIV6C1284	Z76255 HIV-1 RNA p
c 321	16.4	60.7	390	14	HIV6C1288	Z76257 HIV-1 RNA p
c 322	16.4	60.7	390	14	HIV6C1289	Z76258 HIV-1 RNA p
c 323	16.4	60.7	390	14	HIV6C1290	Z76259 HIV-1 RNA p
c 324	16.4	60.7	390	14	HIV6C1291	Z76260 HIV-1 RNA p
c 325	16.4	60.7	390	14	HIV6C1292	Z76261 HIV-1 RNA p
c 326	16.4	60.7	390	14	HIV6C2481	Z76274 HIV-1 RNA p
c 327	16.4	60.7	390	14	HIV6C2483	Z76275 HIV-1 RNA p
c 328	16.4	60.7	390	14	HIV6C2484	Z76276 HIV-1 RNA p
c 329	16.4	60.7	390	14	HIV6C2486	Z76277 HIV-1 RNA p
c 330	16.4	60.7	390	14	HIV6C2487	Z76278 HIV-1 RNA p
c 331	16.4	60.7	390	14	HIV6C2488	Z76279 HIV-1 RNA p
c 332	16.4	60.7	390	14	HIV6C2489	Z76280 HIV-1 RNA p
c 333	16.4	60.7	390	14	HIV6C2491	Z76281 HIV-1 RNA p
c 334	16.4	60.7	390	14	HIV6C2492	Z76282 HIV-1 RNA p
c 335	16.4	60.7	390	14	HIV6C2493	Z76283 HIV-1 RNA p
c 336	16.4	60.7	390	14	HIV6M1270	Z76312 HIV-1 RNA p
c 337	16.4	60.7	390	14	HIV6M1272	Z76313 HIV-1 RNA p
c 338	16.4	60.7	390	14	HIV6M1282	Z76314 HIV-1 RNA p
c 339	16.4	60.7	390	14	HIV6M1285	Z76316 HIV-1 RNA p
c 340	16.4	60.7	390	14	HIV6M1286	Z76317 HIV-1 RNA p
c 341	16.4	60.7	390	14	HIV6M1288	Z76318 HIV-1 RNA p
c 342	16.4	60.7	390	14	HIV6M1289	Z76319 HIV-1 RNA p
c 343	16.4	60.7	390	14	HIV6M1297	Z76320 HIV-1 RNA p
c 344	16.4	60.7	390	14	HIV6M1299	Z76321 HIV-1 RNA p
c 345	16.4	60.7	390	14	HIV6M2480	Z76343 HIV-1 RNA p
c 346	16.4	60.7	390	14	HIV6M2482	Z76344 HIV-1 RNA p
c 347	16.4	60.7	390	14	HIV6M2483	Z76345 HIV-1 RNA p
c 348	16.4	60.7	390	14	HIV6M2484	Z76346 HIV-1 RNA p
c 349	16.4	60.7	390	14	HIV6M2485	Z76347 HIV-1 RNA p
c 350	16.4	60.7	390	14	HIV6M2487	Z76348 HIV-1 RNA p
c 351	16.4	60.7	390	14	HIV6M2491	Z76349 HIV-1 RNA p
c 352	16.4	60.7	390	14	HIV6M2496	Z76350 HIV-1 RNA p
c 353	16.4	60.7	390	14	HIV6M2498	Z76351 HIV-1 RNA p
c 354	16.4	60.7	390	14	HIV6M2499	Z76352 HIV-1 RNA p
c 355	16.4	60.7	390	14	HIV730M82	Z76363 HIV-1 RNA p
c 356	16.4	60.7	390	14	HIV730M83	Z76364 HIV-1 RNA p
c 357	16.4	60.7	390	14	HIV730M86	Z76366 HIV-1 RNA p
c 358	16.4	60.7	390	14	HIV730M88	Z76368 HIV-1 RNA p
c 359	16.4	60.7	390	14	HIV730M89	Z76369 HIV-1 RNA p
c 360	16.4	60.7	390	14	HIV730M91	Z76370 HIV-1 RNA p
c 361	16.4	60.7	390	14	HIV730M92	Z76371 HIV-1 RNA p
c 362	16.4	60.7	390	14	HIV730M94	Z76372 HIV-1 RNA p
c 363	16.4	60.7	390	14	HIVG3M105	Z47961 HIV-1 RNA p
c 364	16.4	60.7	390	14	HIVG3M203	Z47968 HIV-1 RNA p
c 365	16.4	60.7	390	14	HIVG3M204	Z47969 HIV-1 RNA p
c 366	16.4	60.7	390	14	HIVG3M205	Z47970 HIV-1 RNA p
c 367	16.4	60.7	396	14	AB115516	AB115516 Human imm
c 368	16.4	60.7	396	14	AB115521	AB115521 Human imm
c 369	16.4	60.7	396	14	AF386050	AF386050 HIV-1 96S
c 370	16.4	60.7	396	14	AY672878	AY672878 HIV-1 iso
c 371	16.4	60.7	396	14	AY672890	AY672890 HIV-1 iso
372	16.4	60.7	403	11	G54665	G54665 AffySTS0000
c 373	16.4	60.7	404	14	HIVU56361	U56361 Human immun
c 374	16.4	60.7	412	5	AF243423	AF243423 Cynolebia
c 375	16.4	60.7	427	14	AY579674	AY579674 HIV-1 iso
c 376	16.4	60.7	430	14	AY579666	AY579666 HIV-1 iso
c 377	16.4	60.7	432	14	AB042492	AB042492 Human imm
c 378	16.4	60.7	437	14	AY579640	AY579640 HIV-1 iso
c 379	16.4	60.7	437	14	AY579646	AY579646 HIV-1 iso
c 380	16.4	60.7	438	14	AF481779	AF481779 HIV-1 iso
c 381	16.4	60.7	444	14	AB034887	AB034887 Human imm
c 382	16.4	60.7	444	14	AB034897	AB034897 Human imm
c 383	16.4	60.7	450	14	AY283396	AY283396 HIV-1 clo
c 384	16.4	60.7	450	14	AY283402	AY283402 HIV-1 clo

c 385	16.4	60.7	450	14	AY283404	AY283404 HIV-1 clo
c 386	16.4	60.7	458	11	AB165167	AB165167 Bos tauru
387	16.4	60.7	465	6	AR547964	AR547964 Sequence
c 388	16.4	60.7	468	6	CQ291155	CQ291155 Sequence
389	16.4	60.7	493	6	AR418841	AR418841 Sequence
390	16.4	60.7	493	6	AX979535	AX979535 Sequence
391	16.4	60.7	493	6	BD114394	BD114394 EST and e
392	16.4	60.7	495	5	AY037821	AY037821 Bufo bufo
393	16.4	60.7	495	11	G56044	G56044 SHGC-101304
c 394	16.4	60.7	514	6	BD153719	BD153719 Primer fo
c 395	16.4	60.7	514	6	AX873657	AX873657 Sequence
396	16.4	60.7	524	6	AX510200	AX510200 Sequence
397	16.4	60.7	530	5	AY336727	AY336727 Johnius b
398	16.4	60.7	548	3	AF303272	AF303272 Caenorhab
399	16.4	60.7	552	11	G40892	G40892 Z8951 Zebra
c 400	16.4	60.7	553	11	BV000492	BV000492 S208P6762
c 401	16.4	60.7	554	5	AF517229	AF517229 Clemmys m
c 402	16.4	60.7	561	14	AY456310	AY456310 HIV-1 iso
c 403	16.4	60.7	567	14	AY161880	AY161880 HIV-1 iso
404	16.4	60.7	568	11	BV003882	BV003882 S208P6589
c 405	16.4	60.7	580	11	BV098258	BV098258 RPAMMSEQ0
c 406	16.4	60.7	580	11	BV157405	BV157405 RPAMMSEQ0
407	16.4	60.7	580	11	G84920	G84920 S209P6136RC
408	16.4	60.7	582	11	BV091093	BV091093 RPAMMSEQ0
c 409	16.4	60.7	584	14	PVI270990	AJ270990 Potato vi
c 410	16.4	60.7	586	11	BV092514	BV092514 RPAMMSEQ0
c 411	16.4	60.7	586	11	BV155616	BV155616 RPAMMSEQ0
412	16.4	60.7	591	11	BV094539	BV094539 RPAMMSEQ0
413	16.4	60.7	591	11	BV158897	BV158897 RPAMMSEQ0
414	16.4	60.7	592	11	BV016425	BV016425 S212P6045
c 415	16.4	60.7	593	14	AY051291	AY051291 HIV-1 iso
c 416	16.4	60.7	602	8	AY086873	AY086873 Arabidops
417	16.4	60.7	605	11	G90113	G90113 S208P6398FC
c 418	16.4	60.7	607	5	AY258739	AY258739 Xiphophor
419	16.4	60.7	610	11	G83074	G83074 S209P6362FH
c 420	16.4	60.7	613	6	AX401391	AX401391 Sequence
c 421	16.4	60.7	613	6	AX827715	AX827715 Sequence
c 422	16.4	60.7	619	8	AY122980	AY122980 Arabidops
423	16.4	60.7	619	9	HSA343762	AJ343762 Homo sapi
c 424	16.4	60.7	627	14	AF355283	AF355283 HIV-1 99C
c 425	16.4	60.7	628	4	AB042905	AB042905 Camelus b
c 426	16.4	60.7	630	14	AF355292	AF355292 HIV-1 99C
427	16.4	60.7	637	9	HSA329407	AJ329407 Homo sapi
c 428	16.4	60.7	655	6	CQ428316	CQ428316 Sequence
c 429	16.4	60.7	658	6	CQ597903	CQ597903 Sequence
c 430	16.4	60.7	659	3	AY551140	AY551140 Amphotero
431	16.4	60.7	669	5	CR338703	CR338703 Gallus ga
c 432	16.4	60.7	671	11	BV014096	BV014096 S212P6011
433	16.4	60.7	674	11	BV012823	BV012823 S212P6048
c 434	16.4	60.7	677	14	AY051288	AY051288 HIV-1 iso
435	16.4	60.7	689	9	HSA342975	AJ342975 Homo sapi
436	16.4	60.7	690	6	BD260179	BD260179 50 human
c 437	16.4	60.7	692	14	AY051284	AY051284 HIV-1 iso
c 438	16.4	60.7	698	14	AY051281	AY051281 HIV-1 iso
439	16.4	60.7	700	6	AX183282	AX183282 Sequence
440	16.4	60.7	704	9	HSA343669	AJ343669 Homo sapi
c 441	16.4	60.7	720	14	AF196691	AF196691 HIV-1 iso
442	16.4	60.7	722	6	AR195483	AR195483 Sequence
c 443	16.4	60.7	722	14	HIVU86534	U86534 HIV-1 isola
444	16.4	60.7	723	9	HSA343558	AJ343558 Homo sapi
c 445	16.4	60.7	727	14	HIVU86544	U86544 HIV-1 isola
446	16.4	60.7	728	5	CR390611	CR390611 Gallus ga
c 447	16.4	60.7	728	14	HIVU86550	U86550 HIV-1 isola
c 448	16.4	60.7	729	14	HIV6C1225	Z76246 HIV-1 RNA p
c 449	16.4	60.7	729	14	HIV6C1236	Z76249 HIV-1 RNA p
c 450	16.4	60.7	729	14	HIV6C1239	Z76250 HIV-1 RNA p
c 451	16.4	60.7	729	14	HIV6C1249	Z76251 HIV-1 RNA p
c 452	16.4	60.7	729	14	HIV6M1224	Z76294 HIV-1 RNA p
c 453	16.4	60.7	729	14	HIV6M1232	Z76300 HIV-1 RNA p
c 454	16.4	60.7	729	14	HIV6M1236	Z76302 HIV-1 RNA p
c 455	16.4	60.7	729	14	HIV6M1251	Z76733 HIV-1 RNA p
c 456	16.4	60.7	731	6	AX364490	AX364490 Sequence
c 457	16.4	60.7	735	6	BD150284	BD150284 Primer fo
c 458	16.4	60.7	735	6	AX870222	AX870222 Sequence
459	16.4	60.7	736	11	BV045372	BV045372 S212P6040
460	16.4	60.7	744	9	HSA324636	AJ324636 Homo sapi
461	16.4	60.7	750	9	HSA342907	AJ342907 Homo sapi
c 462	16.4	60.7	765	6	AR170966	AR170966 Sequence
c 463	16.4	60.7	765	6	BD129337	BD129337 Human gen
c 464	16.4	60.7	772	6	CQ734107	CQ734107 Sequence
465	16.4	60.7	772	9	HSA343656	AJ343656 Homo sapi
466	16.4	60.7	777	6	AR195478	AR195478 Sequence
467	16.4	60.7	778	9	HSA342687	AJ342687 Homo sapi
c 468	16.4	60.7	793	6	AX789075	AX789075 Sequence
c 469	16.4	60.7	806	9	HSA322944	AJ322944 Homo sapi
c 470	16.4	60.7	809	8	AY085767	AY085767 Arabidops
c 471	16.4	60.7	820	6	BD148386	BD148386 Primer fo
c 472	16.4	60.7	820	6	AX868324	AX868324 Sequence
473	16.4	60.7	822	11	BV049434	BV049434 S212P6081
c 474	16.4	60.7	823	11	BV033441	BV033441 S212P6216
c 475	16.4	60.7	824	14	AF326168	AF326168 HIV-1 14/
c 476	16.4	60.7	834	14	AF326157	AF326157 HIV-1 34/
c 477	16.4	60.7	837	14	AF326156	AF326156 HIV-1 32/
c 478	16.4	60.7	839	6	BD021238	BD021238 Novel gen
c 479	16.4	60.7	839	6	BD101176	BD101176 Novel gen
c 480	16.4	60.7	841	6	CQ413099	CQ413099 Sequence
c 481	16.4	60.7	842	5	AB125463	AB125463 Emys orbi
482	16.4	60.7	844	11	BV028352	BV028352 S212P6040
483	16.4	60.7	845	11	BV066540	BV066540 S212P6012
484	16.4	60.7	849	9	HSA327535	AJ327535 Homo sapi
c 485	16.4	60.7	863	14	AY502299	AY502299 HIV-1 iso
c 486	16.4	60.7	863	14	AY502556	AY502556 HIV-1 iso
c 487	16.4	60.7	870	8	STU564228	AJ564228 Solanum t
488	16.4	60.7	922	1	AF458418	AF458418 Actinobac
489	16.4	60.7	922	1	AF458419	AF458419 Actinobac
490	16.4	60.7	922	1	AF458420	AF458420 Actinobac
491	16.4	60.7	922	1	AF458421	AF458421 Actinobac
492	16.4	60.7	922	1	AF458422	AF458422 Actinobac
493	16.4	60.7	922	1	AF458423	AF458423 Actinobac
494	16.4	60.7	922	1	AF458424	AF458424 Actinobac
495	16.4	60.7	922	1	AF458425	AF458425 Actinobac
496	16.4	60.7	922	1	AF458426	AF458426 Actinobac
497	16.4	60.7	922	1	AF458427	AF458427 Actinobac
498	16.4	60.7	922	1	AF458428	AF458428 Actinobac
499	16.4	60.7	922	1	AF458429	AF458429 Actinobac
500	16.4	60.7	922	1	AF458430	AF458430 Actinobac
501	16.4	60.7	922	1	AF458431	AF458431 Actinobac
502	16.4	60.7	922	1	AF458432	AF458432 Actinobac
503	16.4	60.7	922	1	AF458433	AF458433 Actinobac
504	16.4	60.7	922	1	AF458434	AF458434 Actinobac
c 505	16.4	60.7	925	1	TMA401000	AJ401000 Thermotog
c 506	16.4	60.7	925	1	TMA401005	AJ401005 Thermotog
c 507	16.4	60.7	925	1	TNE400998	AJ400998 Thermotog
c 508	16.4	60.7	925	1	TNE401001	AJ401001 Thermotog
c 509	16.4	60.7	925	1	TNE401006	AJ401006 Thermotog
c 510	16.4	60.7	925	1	TSP400999	AJ400999 Thermotog
c 511	16.4	60.7	946	5	AY264129	AY264129 Henonemus
c 512	16.4	60.7	947	5	AY264125	AY264125 Tatia int
c 513	16.4	60.7	948	5	AY264074	AY264074 Anadoras
c 514	16.4	60.7	949	5	AY264121	AY264121 Parauchen
c 515	16.4	60.7	950	5	AY264078	AY264078 Platydora
c 516	16.4	60.7	950	5	AY264124	AY264124 Auchenipt
c 517	16.4	60.7	950	5	AY264127	AY264127 Centromoc
c 518	16.4	60.7	951	5	AY264066	AY264066 Hypophtha
c 519	16.4	60.7	951	5	AY264122	AY264122 Ageneiosu
c 520	16.4	60.7	951	5	AY264123	AY264123 Auchenipt
c 521	16.4	60.7	953	5	AY264126	AY264126 Liosomado
c 522	16.4	60.7	954	5	AY264086	AY264086 Agamyxis
c 523	16.4	60.7	955	5	AY264067	AY264067 Sorubim l
c 524	16.4	60.7	958	5	AY264068	AY264068 Zungaro z
c 525	16.4	60.7	963	6	AX322109	AX322109 Sequence
c 526	16.4	60.7	966	8	AY091116	AY091116 Arabidops
527	16.4	60.7	972	6	CQ470996	CQ470996 Sequence
c 528	16.4	60.7	980	6	AX789577	AX789577 Sequence
c 529	16.4	60.7	994	6	BD177641	BD177641 MBGP1 pol
c 530	16.4	60.7	994	6	E37855	E37855 MBGPI polyp

c 531	16.4	60.7	994	6	AX003005	AX003005 Sequence
532	16.4	60.7	999	6	AR284032	AR284032 Sequence
c 533	16.2	60.0	201	11	BV200102	BV200102 sqnm20319
534	16.2	60.0	202	3	AY572780	AY572780 Hammondia
535	16.2	60.0	282	9	HS10C2F	Z56295 H.sapiens C
536	16.2	60.0	392	5	AF241569	AF241569 Anolis oc
537	16.2	60.0	401	6	AX270426	AX270426 Sequence
538	16.2	60.0	401	6	AX271957	AX271957 Sequence
539	16.2	60.0	402	6	AX270892	AX270892 Sequence
540	16.2	60.0	402	6	AX272423	AX272423 Sequence
c 541	16.2	60.0	405	11	BV163836	BV163836 RPAMMSEQ0
c 542	16.2	60.0	412	1	AY471682	AY471682 Unculture
c 543	16.2	60.0	449	3	AF191050	AF191050 Plasmodiu
544	16.2	60.0	478	1	ECORGNX1	J01700 E.coli rRNA
c 545	16.2	60.0	546	8	AK108302	AK108302 Oryza sat
c 546	16.2	60.0	550	14	SIVTALPOL1	AF119257 Simian im
c 547	16.2	60.0	577	3	PFA490604	AJ490604 Plasmodiu
c 548	16.2	60.0	577	3	PFA490605	AJ490605 Plasmodiu
c 549	16.2	60.0	577	3	PFA490606	AJ490606 Plasmodiu
c 550	16.2	60.0	577	3	PFA490607	AJ490607 Plasmodiu
c 551	16.2	60.0	577	3	PFA490649	AJ490649 Plasmodiu
c 552	16.2	60.0	577	3	PFA490650	AJ490650 Plasmodiu
c 553	16.2	60.0	577	3	PFA490651	AJ490651 Plasmodiu
c 554	16.2	60.0	577	3	PFA490652	AJ490652 Plasmodiu
555	16.2	60.0	587	11	BV058468	BV058468 S212P6157
556	16.2	60.0	606	8	PHNAFP2G	L41873 Pharbitis n
c 557	16.2	60.0	620	11	BV162089	BV162089 RPAMMSEQ0
c 558	16.2	60.0	650	3	MFU65415	U65415 Montastrea
559	16.2	60.0	702	3	AY617212	AY617212 Sterkiell
c 560	16.2	60.0	741	1	AOF555225	AJ555225 Unculture
561	16.2	60.0	823	8	BT004444	BT004444 Arabidops
c 562	16.2	60.0	861	6	BD148404	BD148404 Primer fo
c 563	16.2	60.0	861	6	AX868342	AX868342 Sequence
c 564	16.2	60.0	910	11	G32169	G32169 STS 8_883F,
c 565	16.2	60.0	910	11	HSU93285	U93285 Homo sapien
c 566	16	59.3	108	9	HS40C11R	Z58449 H.sapiens C
c 567	16	59.3	133	11	AF041414	AF041414 Trypanoso
c 568	16	59.3	146	14	SIU06386	U06386 Simian immu
c 569	16	59.3	146	14	SIU06401	U06401 Simian immu
570	16	59.3	172	11	AF225007	AF225007 Sus scrof
c 571	16	59.3	181	6	AX832825	AX832825 Sequence
c 572	16	59.3	182	9	HS46H12F	Z58637 H.sapiens C
573	16	59.3	211	4	AB104260	AB104260 Equus cab
c 574	16	59.3	211	6	BD091740	BD091740 Trap vect
c 575	16	59.3	211	10	MUSPTKV	L25762 Mus musculu
c 576	16	59.3	214	10	AY247042	AY247042 Sicista t
577	16	59.3	225	14	SIVV317A	L04427 Simian immu
578	16	59.3	225	14	SIVV318A	L04428 Simian immu
579	16	59.3	225	14	SIVV319A	L04429 Simian immu
580	16	59.3	225	14	SIVV320A	L04430 Simian immu
581	16	59.3	229	14	SIVV327A	L04385 Simian immu
c 582	16	59.3	270	6	AR500792	AR500792 Sequence
c 583	16	59.3	270	6	AR516074	AR516074 Sequence
584	16	59.3	277	6	AX694749	AX694749 Sequence
585	16	59.3	284	6	CQ527502	CQ527502 Sequence
586	16	59.3	285	6	CQ527608	CQ527608 Sequence
c 587	16	59.3	293	6	CQ688342	CQ688342 Sequence
c 588	16	59.3	293	6	AX245996	AX245996 Sequence
c 589	16	59.3	293	10	AF526128	AF526128 Peromyscu
590	16	59.3	296	6	BD218920	BD218920 Human gen
591	16	59.3	296	11	HUMC5714	L31463 Human chrom
592	16	59.3	303	14	SIVF87189H	M96188 Simian immu
593	16	59.3	303	14	SIVF87189M	M96193 Simian immu
c 594	16	59.3	304	14	HIV1U19629	U19629 Human immun
c 595	16	59.3	312	6	AR354939	AR354939 Sequence
c 596	16	59.3	312	6	AR536495	AR536495 Sequence
597	16	59.3	312	11	G68076	G68076 umc1914 SSR
598	16	59.3	314	6	AX046567	AX046567 Sequence
c 599	16	59.3	315	3	AY619373	AY619373 Daphnia p
c 600	16	59.3	315	6	AR418744	AR418744 Sequence
c 601	16	59.3	315	6	AX979438	AX979438 Sequence
c 602	16	59.3	315	6	BD114297	BD114297 EST and e
603	16	59.3	319	11	G21315	G21315 human STS W
c 604	16	59.3	320	6	CQ707013	CQ707013 Sequence
c 605	16	59.3	321	11	BV007231	BV007231 LS337 Mea
c 606	16	59.3	322	6	AX387877	AX387877 Sequence
c 607	16	59.3	332	9	AB024218	AB024218 Nycoticeb
608	16	59.3	339	3	ASEL12A	X02632 Artemia sal
c 609	16	59.3	341	11	G35619	G35619 STS h14a666
c 610	16	59.3	342	6	CQ419153	CQ419153 Sequence
611	16	59.3	344	6	AX694668	AX694668 Sequence
612	16	59.3	351	3	AY359531	AY359531 Callinect
c 613	16	59.3	366	11	G36158	G36158 STS h14a194
c 614	16	59.3	374	8	TCA566448	AJ566448 Theobroma
c 615	16	59.3	378	6	BD059304	BD059304 Secreted
c 616	16	59.3	388	6	AX314068	AX314068 Sequence
617	16	59.3	393	4	AF060097	AF060097 Lama glam
618	16	59.3	396	6	AX408340	AX408340 Sequence
619	16	59.3	397	11	BV197308	BV197308 sqnm19265
620	16	59.3	399	1	RPZ82607	Z82607 R.prowazeki
c 621	16	59.3	399	3	AY752301	AY752301 Unculture
622	16	59.3	400	11	AB165466	AB165466 Bos tauru
c 623	16	59.3	404	3	AY752300	AY752300 Unculture
c 624	16	59.3	404	3	AY752308	AY752308 Unculture
625	16	59.3	407	3	AB025389	AB025389 Haliotis
c 626	16	59.3	409	6	AX387789	AX387789 Sequence
c 627	16	59.3	412	6	AX884430	AX884430 Sequence
c 628	16	59.3	412	6	BD024040	BD024040 Sequence
c 629	16	59.3	414	11	CR384114	CR384114 Arabidops
630	16	59.3	432	6	CQ460171	CQ460171 Sequence
c 631	16	59.3	442	6	CQ674605	CQ674605 Sequence
632	16	59.3	444	3	AME509547	AJ509547 Apis mell
633	16	59.3	444	6	AR153969	AR153969 Sequence
634	16	59.3	444	6	AR565193	AR565193 Sequence
635	16	59.3	444	6	BD130075	BD130075 Material
c 636	16	59.3	450	14	AY290867	AY290867 HIV-1 iso
c 637	16	59.3	455	8	AY202503	AY202503 Arabidops
638	16	59.3	464	11	BX663756	BX663756 Arabidops
639	16	59.3	465	6	CQ521685	CQ521685 Sequence
640	16	59.3	468	6	CQ682472	CQ682472 Sequence
641	16	59.3	477	11	G31296	G31296 sb25e9-Sp6
c 642	16	59.3	478	6	CQ693695	CQ693695 Sequence
643	16	59.3	481	6	CQ069213	CQ069213 Sequence
644	16	59.3	481	6	CQ256868	CQ256868 Sequence
645	16	59.3	481	6	CQ293985	CQ293985 Sequence
c 646	16	59.3	482	8	AY387735	AY387735 Pneumocys
647	16	59.3	484	4	AY386662	AY386662 Monodelph
648	16	59.3	487	6	AX194804	AX194804 Sequence
c 649	16	59.3	502	14	HIVU56360	U56360 Human immun
650	16	59.3	507	6	AR384471	AR384471 Sequence
651	16	59.3	507	11	CR384457	CR384457 Arabidops
652	16	59.3	509	8	AJ838132	AJ838132 Arabidops
653	16	59.3	509	11	G75460	G75460 csnpatm-pcr
c 654	16	59.3	516	6	AR384335	AR384335 Sequence
c 655	16	59.3	527	6	AX388412	AX388412 Sequence
656	16	59.3	531	6	AR148041	AR148041 Sequence
657	16	59.3	531	6	AR219765	AR219765 Sequence
658	16	59.3	531	6	AR350863	AR350863 Sequence
659	16	59.3	531	6	AR433239	AR433239 Sequence
660	16	59.3	531	6	AX316883	AX316883 Sequence
661	16	59.3	531	6	BD084416	BD084416 Compositi
c 662	16	59.3	537	6	AR384336	AR384336 Sequence
663	16	59.3	539	6	BD153706	BD153706 Primer fo
664	16	59.3	539	6	AX873644	AX873644 Sequence
c 665	16	59.3	549	6	AR384401	AR384401 Sequence
666	16	59.3	558	6	AR384282	AR384282 Sequence
c 667	16	59.3	560	6	CQ071614	CQ071614 Sequence
c 668	16	59.3	560	6	CQ102217	CQ102217 Sequence
c 669	16	59.3	560	6	CQ141164	CQ141164 Sequence
c 670	16	59.3	560	6	CQ176815	CQ176815 Sequence
c 671	16	59.3	560	6	CQ262456	CQ262456 Sequence
c 672	16	59.3	560	6	CQ336647	CQ336647 Sequence
673	16	59.3	561	11	BV104013	BV104013 MARC 7835
c 674	16	59.3	562	6	AX388361	AX388361 Sequence
c 675	16	59.3	565	6	CQ725735	CQ725735 Sequence
676	16	59.3	566	3	ASPBPZ1A1	AF134271 Agrotis s

	677	16	59.3	566	3	ASPBPZ1B1 AF134273 Agrotis s
c	678	16	59.3	570	6	BD153464 BD153464 Primer fo
c	679	16	59.3	570	6	AX873402 AX873402 Sequence
c	680	16	59.3	584	11	G80138 G80138 S209P6182RC
c	681	16	59.3	585	11	BV022867 BV022867 S212P6362
c	682	16	59.3	587	6	CQ524412 CQ524412 Sequence
	683	16	59.3	596	11	G89463 G89463 S209P6031FB
c	684	16	59.3	598	1	AF273272 AF273272 Listeria
	685	16	59.3	602	11	AU046471 AU046471 Rattus no
c	686	16	59.3	608	11	BV059622 BV059622 S212P6371
	687	16	59.3	609	6	CQ430566 CQ430566 Sequence
	688	16	59.3	609	6	AR384448 AR384448 Sequence
c	689	16	59.3	610	11	G92670 G92670.S209P6356RG
	690	16	59.3	612	8	AY209294 AY209294 Orobanche
c	691	16	59.3	619	6	CQ420396 CQ420396 Sequence
c	692	16	59.3	621	14	AF355294 AF355294 HIV-1 99C
c	693	16	59.3	630	11	BV028410 BV028410 S212P6039
c	694	16	59.3	631	11	BV022245 BV022245 S212P6918
c	695	16	59.3	641	11	G76355 G76355 S208P6761RB
c	696	16	59.3	647	5	RCGAST1 Y08398 R.catesbeia
	697	16	59.3	651	6	CQ421699 CQ421699 Sequence
c	698	16	59.3	655	11	G91629 G91629 S209P6259FD
	699	16	59.3	661	5	AF034354 AF034354 Triakis s
	700	16	59.3	663	9	AK130996 AK130996 Homo sapi
	701	16	59.3	675	3	CCA311530 AJ311530 Chironomu
	702	16	59.3	675	3	CCA311532 AJ311532 Chironomu
	703	16	59.3	675	3	CCA311536 AJ311536 Chironomu
	704	16	59.3	675	3	CCA311538 AJ311538 Chironomu
	705	16	59.3	678	3	AY182348 AY182348 Thecabius
	706	16	59.3	682	9	HSA337293 AJ337293 Homo sapi
	707	16	59.3	686	10	RNU53918 U53918 Rattus norv
	708	16	59.3	698	11	BV017088 BV017088 S212P6358
	709	16	59.3	699	6	AR375975 AR375975 Sequence
	710	16	59.3	711	6	AR504649 AR504649 Sequence
	711	16	59.3	711	6	AR519931 AR519931 Sequence
c	712	16	59.3	722	6	AX430459 AX430459 Sequence
c	713	16	59.3	726	6	AR550249 AR550249 Sequence
c	714	16	59.3	727	5	BX935870 BX935870 Gallus ga
c	715	16	59.3	727	5	BX950467 BX950467 Gallus ga
c	716	16	59.3	731	11	BV075811 BV075811 S212P6775
c	717	16	59.3	732	6	CQ428046 CQ428046 Sequence
c	718	16	59.3	741	9	HSA341921 AJ341921 Homo sapi
c	719	16	59.3	756	9	HSA335601 AJ335601 Homo sapi
c	720	16	59.3	759	11	BV073813 BV073813 S212P6561
c	721	16	59.3	774	8	AY090535 AY090535 Deschamps
c	722	16	59.3	786	6	CQ752917 CQ752917 Sequence
c	723	16	59.3	795	8	AK099513 AK099513 Oryza sat
c	724	16	59.3	797	6	AR521439 AR521439 Sequence
	725	16	59.3	806	11	BV037400 BV037400 S212P6011
	726	16	59.3	808	11	BV057148 BV057148 S212P6570
	727	16	59.3	812	9	HSA334284 AJ334284 Homo sapi
c	728	16	59.3	813	11	BV022301 BV022301 S212P6928
c	729	16	59.3	813	11	BV057571 BV057571 S212P6794
	730	16	59.3	814	3	AF359992 AF359992 Penaeus (
c	731	16	59.3	817	11	BV073026 BV073026 S212P6428
c	732	16	59.3	822	9	BC042182 BC042182 Homo sapi
c	733	16	59.3	831	14	AF326149 AF326149 HIV-1 11/
c	734	16	59.3	844	11	BV026438 BV026438 S212P6615
c	735	16	59.3	853	11	CNS06EXQ AL395700 T3 end of
	736	16	59.3	870	8	BT010159 BT010159 Arabidops
	737	16	59.3	891	6	AR378593 AR378593 Sequence
c	738	16	59.3	894	8	AK104029 AK104029 Oryza sat
	739	16	59.3	911	5	CR389885 CR389885 Gallus ga
c	740	16	59.3	914	6	BD139471 BD139471 Extended
c	741	16	59.3	921	5	AF092936 AF092936 Acipenser
	742	16	59.3	925	6	AR505125 AR505125 Sequence
c	743	16	59.3	927	6	AX953521 AX953521 Sequence
	744	16	59.3	958	6	AX740500 AX740500 Sequence
	745	16	59.3	963	11	BV180432 BV180432 sqnm10950
	746	16	59.3	977	5	XELUG6 M31687 X.tropicali
	747	16	59.3	987	5	XELELF1A5 M67485 Xenopus lae
c	748	16	59.3	988	5	BX935806 BX935806 Gallus ga
c	749	16	59.3	996	8	AF334207 AF334207 Arabidops

	750	15.8	58.5	60	6	CQ552730 CQ552730 Sequence
	751	15.8	58.5	134	11	HSPG06B1 AL158869 H.sapiens
c	752	15.8	58.5	162	9	HS168F5F Z57219 H.sapiens C
	753	15.8	58.5	162	9	HS168F5R Z57220 H.sapiens C
c	754	15.8	58.5	193	6	CQ686467 CQ686467 Sequence
c	755	15.8	58.5	201	11	BV176968 BV176968 sqnm91885
c	756	15.8	58.5	222	9	HUMTANDEMF L20019 Human DNA s
	757	15.8	58.5	224	6	AX916444 AX916444 Sequence
	758	15.8	58.5	224	6	BD051977 BD051977 Sequence
	759	15.8	58.5	244	4	AF130656 AF130656 Felis cat
c	760	15.8	58.5	265	6	CQ466613 CQ466613 Sequence
	761	15.8	58.5	280	11	G64195 G64195 G-104268 Ra
c	762	15.8	58.5	289	11	HSC63C4 AL158778 H.sapiens
	763	15.8	58.5	294	6	CQ529821 CQ529821 Sequence
	764	15.8	58.5	309	6	AR419156 AR419156 Sequence
	765	15.8	58.5	309	6	AX979850 AX979850 Sequence
	766	15.8	58.5	309	6	BD114709 BD114709 EST and e
c	767	15.8	58.5	318	6	AR348406 AR348406 Sequence
c	768	15.8	58.5	325	6	AR426680 AR426680 Sequence
c	769	15.8	58.5	325	6	AX987374 AX987374 Sequence
c	770	15.8	58.5	325	6	BD122233 BD122233 EST and e
	771	15.8	58.5	335	6	CQ435291 CQ435291 Sequence
	772	15.8	58.5	339	5	AY336580 AY336580 Tityra ca
	773	15.8	58.5	343	5	AY336576 AY336576 Lepidocol
	774	15.8	58.5	362	11	HUMUT6445 L18231 Human STS U
	775	15.8	58.5	366	11	G51064 G51064 SHGC-78626
c	776	15.8	58.5	372	5	AY333676 AY333676 Discoglos
c	777	15.8	58.5	372	5	AY333677 AY333677 Discoglos
	778	15.8	58.5	372	6	CQ710471 CQ710471 Sequence
c	779	15.8	58.5	377	11	BV019450 BV019450 S212P6025
c	780	15.8	58.5	382	8	ATH526666 AJ526666 Arabidops
	781	15.8	58.5	387	6	AX186766 AX186766 Sequence
c	782	15.8	58.5	389	6	BD061807 BD061807 Antigenic
c	783	15.8	58.5	389	6	BD061994 BD061994 Antigenic
	784	15.8	58.5	398	11	G58230 G58230 SHGC-104268
c	785	15.8	58.5	400	11	G13782 G13782 SHGC-13646
c	786	15.8	58.5	406	6	CQ523095 CQ523095 Sequence
	787	15.8	58.5	411	6	CQ441475 CQ441475 Sequence
	788	15.8	58.5	413	6	BD242299 BD242299 Compounds
	789	15.8	58.5	413	6	AR278506 AR278506 Sequence
	790	15.8	58.5	413	6	AR367202 AR367202 Sequence
	791	15.8	58.5	413	6	AR371098 AR371098 Sequence
	792	15.8	58.5	413	6	AR400238 AR400238 Sequence
	793	15.8	58.5	413	6	AR405505 AR405505 Sequence
	794	15.8	58.5	413	6	AR563885 AR563885 Sequence
	795	15.8	58.5	413	6	AX106626 AX106626 Sequence
	796	15.8	58.5	413	6	AX140917 AX140917 Sequence
	797	15.8	58.5	413	6	AX200777 AX200777 Sequence
	798	15.8	58.5	413	6	AX267433 AX267433 Sequence
	799	15.8	58.5	413	6	AX593965 AX593965 Sequence
c	800	15.8	58.5	416	5	DMO440766 AJ440766 Discoglos
	801	15.8	58.5	438	6	AX914739 AX914739 Sequence
	802	15.8	58.5	438	6	BD050272 BD050272 Sequence
c	803	15.8	58.5	441	6	AR426312 AR426312 Sequence
c	804	15.8	58.5	441	6	AX332068 AX332068 Sequence
c	805	15.8	58.5	441	6	AX987006 AX987006 Sequence
c	806	15.8	58.5	441	6	BD121865 BD121865 EST and e
	807	15.8	58.5	442	6	CQ482007 CQ482007 Sequence
	808	15.8	58.5	447	6	CQ698407 CQ698407 Sequence
	809	15.8	58.5	449	6	CQ502347 CQ502347 Sequence
c	810	15.8	58.5	450	6	AR415819 AR415819 Sequence
c	811	15.8	58.5	450	6	AX972653 AX972653 Sequence
c	812	15.8	58.5	450	6	BD111372 BD111372 EST and e
	813	15.8	58.5	450	8	AJ838295 AJ838295 Arabidops
	814	15.8	58.5	455	6	CQ481199 CQ481199 Sequence
c	815	15.8	58.5	455	11	BV184176 BV184176 sqnm14347
c	816	15.8	58.5	456	11	G09913 G09913 human STS C
c	817	15.8	58.5	456	11	G20185 G20185 sWSS3267 Er
	818	15.8	58.5	457	6	CQ472031 CQ472031 Sequence
c	819	15.8	58.5	480	6	AR552397 AR552397 Sequence
	820	15.8	58.5	483	6	CQ472838 CQ472838 Sequence
	821	15.8	58.5	490	6	CQ503146 CQ503146 Sequence
	822	15.8	58.5	490	6	CQ511209 CQ511209 Sequence

	823	15.8	58.5	490	6	CQ511995 CQ511995 Sequence
	824	15.8	58.5	490	6	CQ781145 CQ781145 Sequence
	825	15.8	58.5	490	6	BD125854 BD125854 Primer fo
c	826	15.8	58.5	495	6	AR413456 AR413456 Sequence
c	827	15.8	58.5	495	6	AX970290 AX970290 Sequence
c	828	15.8	58.5	495	6	BD109009 BD109009 EST and e
c	829	15.8	58.5	497	11	G55691 G55691 SHGC-101061
c	830	15.8	58.5	498	6	CQ648702 CQ648702 Sequence
c	831	15.8	58.5	500	6	CQ700341 CQ700341 Sequence
	832	15.8	58.5	500	11	G39095 G39095 Z13413 Zebr
	833	15.8	58.5	503	3	AF466658 AF466658 Myxobolus
	834	15.8	58.5	508	3	AF417611 AF417611 Colpidium
c	835	15.8	58.5	510	6	AR552695 AR552695 Sequence
	836	15.8	58.5	510	11	G40071 G40071 Z13773 Zebr
	837	15.8	58.5	513	6	AR394744 AR394744 Sequence
c	838	15.8	58.5	513	6	AR413457 AR413457 Sequence
c	839	15.8	58.5	513	6	AX970291 AX970291 Sequence
c	840	15.8	58.5	513	6	BD109010 BD109010 EST and e
c	841	15.8	58.5	521	5	AB097767 AB097767 Anguilla
	842	15.8	58.5	521	11	G58646 G58646 SHGC-104720
c	843	15.8	58.5	522	5	AB097711 AB097711 Anguilla
c	844	15.8	58.5	522	5	AB097713 AB097713 Anguilla
c	845	15.8	58.5	525	6	CQ672635 CQ672635 Sequence
c	846	15.8	58.5	525	11	G91857 G91857 S208P6796FE
c	847	15.8	58.5	532	11	BV066165 BV066165 S212P6381
c	848	15.8	58.5	535	11	G77844 G77844 S210P6252FB
	849	15.8	58.5	542	11	BV055489 BV055489 S210P6008
c	850	15.8	58.5	543	11	G81877 G81877 S209P6139FG
c	851	15.8	58.5	552	10	AY331219 AY331219 Cratogeom
	852	15.8	58.5	552	11	G78283 G78283 S208P6799RF
	853	15.8	58.5	556	3	AF417609 AF417609 Colpidium
c	854	15.8	58.5	556	5	AF092295 AF092295 Campellol
c	855	15.8	58.5	557	5	AY578720 AY578720 Rivulus g
	856	15.8	58.5	557	11	BV049556 BV049556 S209P6020
	857	15.8	58.5	560	6	CQ522749 CQ522749 Sequence
	858	15.8	58.5	565	6	AR278600 AR278600 Sequence
	859	15.8	58.5	565	6	AR400332 AR400332 Sequence
	860	15.8	58.5	565	6	AR405599 AR405599 Sequence
	861	15.8	58.5	565	6	AR563979 AR563979 Sequence
	862	15.8	58.5	565	6	AX200961 AX200961 Sequence
	863	15.8	58.5	565	6	AX267617 AX267617 Sequence
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ALIGNMENTS

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VERSION     AX781569.1  GI:32949416
KEYWORDS    .
SOURCE      Escherichia coli
  ORGANISM  Escherichia coli
            Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
            Enterobacteriaceae; Escherichia.
REFERENCE   1
  AUTHORS   Liu,L.Y., Chung,T.Y. and Terng,H.J.
  TITLE     Method for detecting Escherichia coli
  JOURNAL   Patent: EP 1321530-A 7 25-JUN-2003;
            Dr. Chip Biotechnology Incorporation (TW)
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Db          1 ATTTTACCTCTTGTCTTCCCGTCTTGG 27


RESULT 2
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VERSION     A70147.1  GI:4774562
KEYWORDS    .
SOURCE      unidentified
  ORGANISM  unidentified
            unclassified.
REFERENCE   1  (bases 1 to 722)
  AUTHORS   Seymour,G.B., Bird,C.R. and Medina-Suarez,R.D.
  TITLE     GENETIC CONTROL OF FRUIT RIPENING
  JOURNAL   Patent: WO 9811228-A 8 19-MAR-1998;
            SEYMOUR GRAHAM BARRON (GB)
FEATURES             Location/Qualifiers
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RESULT 3
CQ695078
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DEFINITION  Sequence 40004 from Patent WO02070737.
ACCESSION   CQ695078
VERSION     CQ695078.1  GI:42240806
KEYWORDS    .
SOURCE      Homo sapiens (human)
  ORGANISM  Homo sapiens
            Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
            Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
REFERENCE   1
  AUTHORS   Liew,C.C., Marshall,W.E. and Zhang,H.
  TITLE     Compositions and methods relating to osteoarthritis
  JOURNAL   Patent: WO 02070737-A 40004 12-SEP-2002;
            Chondrogene Inc. (CA)
FEATURES             Location/Qualifiers
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ACCESSION   AR387692
VERSION     AR387692.1  GI:40097426
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 405)
  AUTHORS   Breton,G.L. and Osborne,M.
  TITLE     Nucleic acid amino acid sequences relating to Klebsiella pneumoniae
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GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: April 15, 2005, 22:45:27 ; Search time 210.953 Seconds
(without alignments)
757.670 Million cell updates/sec

Title: US-10-025-137B-7
Perfect score: 27
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 4390206 seqs, 2959870667 residues

Total number of hits satisfying chosen parameters: 7367680

Minimum DB seq length: 0
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Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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	5	18.2	67.4	887	13	ADR63437	Adr63437 Cotton cD
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	8	17.8	65.9	633	11	ACN81117	Acn81117 Breast ca
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	10	17.6	65.2	439	12	ADQ20846	Adq20846 Human sof
c	11	17.6	65.2	558	2	AAT39911	Aat39911 Maize ace
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	85	16.6	61.5	399	3	AAA34191	Aaa34191 Human ade
	86	16.6	61.5	399	3	AAF20313	Aaf20313 Endotheli
	87	16.6	61.5	399	10	ABZ96007	Abz96007 Human end
	88	16.6	61.5	399	11	ABD19584	Abd19584 Human end
c	89	16.6	61.5	518	12	ACH80197	Ach80197 Human gen
c	90	16.6	61.5	541	12	ADO39581	Ado39581 Yeast SPS
	91	16.6	61.5	561	12	ACH70603	Ach70603 Human gen
c	92	16.6	61.5	593	4	AAI17009	Aai17009 Probe #69
c	93	16.6	61.5	593	4	ABA61173	Aba61173 Human foe

c	94	16.6	61.5	593	4	AAI41073
c	95	16.6	61.5	593	4	ABA29048
c	96	16.6	61.5	593	4	AAK35360
c	97	16.6	61.5	593	4	AAK09468
c	98	16.6	61.5	593	4	ABS35098
c	99	16.6	61.5	593	6	ABS09748
c	100	16.6	61.5	686	3	AAA02049
	101	16.6	61.5	710	4	AAI61286
	102	16.6	61.5	810	6	ABS67274
c	103	16.6	61.5	845	6	ABQ76392
c	104	16.6	61.5	924	5	AAS77605
	105	16.6	61.5	925	6	ABZ35555
c	106	16.6	61.5	943	6	ABS62836
c	107	16.6	61.5	943	6	ABT11410
	108	16.6	61.5	967	6	ABZ15702
	109	16.6	61.5	967	8	ADA68853
	110	16.4	60.7	206	10	ADK12012
	111	16.4	60.7	234	12	ACH92360
	112	16.4	60.7	255	5	AAH82095
c	113	16.4	60.7	283	6	ABV89047
c	114	16.4	60.7	288	6	AAL48672
c	115	16.4	60.7	315	6	ABL87441
c	116	16.4	60.7	337	10	ADB55291
c	117	16.4	60.7	366	6	ABN94337
c	118	16.4	60.7	374	5	ABV07516
c	119	16.4	60.7	376	4	AAI93341
	120	16.4	60.7	379	11	ACN90645
	121	16.4	60.7	403	2	AAH86932
	122	16.4	60.7	403	2	AAH86931
c	123	16.4	60.7	440	5	AAH94115
c	124	16.4	60.7	468	6	ABS02269
c	125	16.4	60.7	477	13	ACN62238
c	126	16.4	60.7	489	9	ACH41212
c	127	16.4	60.7	491	4	AAK76240
c	128	16.4	60.7	502	4	AAK59799
c	129	16.4	60.7	514	4	AAH11727
	130	16.4	60.7	524	6	ABZ17090
	131	16.4	60.7	533	4	AAH34065
	132	16.4	60.7	565	13	ACN47532
	133	16.4	60.7	584	2	AAX20864
	134	16.4	60.7	585	12	ACH78660
c	135	16.4	60.7	592	3	AAC54088
c	136	16.4	60.7	602	3	AAC52439
c	137	16.4	60.7	602	10	ADC76979
c	138	16.4	60.7	602	11	ADM45025
	139	16.4	60.7	603	4	AAH98821
c	140	16.4	60.7	613	6	ABK63160
c	141	16.4	60.7	613	10	ADB57327
c	142	16.4	60.7	613	10	ADB51885
c	143	16.4	60.7	613	10	ABT41455
c	144	16.4	60.7	613	12	ADP72299
	145	16.4	60.7	638	13	ACN45324
c	146	16.4	60.7	655	4	AAL20882
c	147	16.4	60.7	658	4	ABL18947
	148	16.4	60.7	683	6	ABZ11620
	149	16.4	60.7	683	12	ADM44138
	150	16.4	60.7	690	3	AAC74413
	151	16.4	60.7	700	4	AAS43303
	152	16.4	60.7	700	4	AAH93023
	153	16.4	60.7	722	2	AAV44223
	154	16.4	60.7	722	6	ABK67821
c	155	16.4	60.7	731	6	ABK31083
c	156	16.4	60.7	731	10	ADC75983
c	157	16.4	60.7	735	4	AAH08292
c	158	16.4	60.7	764	2	AAX98910
c	159	16.4	60.7	765	2	AAV69545
	160	16.4	60.7	777	2	AAV44218
	161	16.4	60.7	777	6	ABK67816
c	162	16.4	60.7	793	6	ABX66171
c	163	16.4	60.7	805	3	AAC49683
c	164	16.4	60.7	809	3	AAC34965
c	165	16.4	60.7	820	4	AAH06394
c	166	16.4	60.7	820	11	ACN90598

Aai41073 Probe #97
Aba29048 Probe #75
Aak35360 Human bon
Aak09468 Human bra
Abs35098 Human liv
Abs09748 Human gen
Aaa02049 Human col
Aai61286 Human pol
Abs67274 Breast sp
Abq76392 S. cerevi
Aas77605 DNA encod
Abz35555 Human gen
Abs62836 Selected
Abt11410 Yeast sel
Abz15702 Arabidops
Ada68853 Arabidops
Adk12012 Breast ca
Ach92360 Human gen
Aah82095 Rat diffe
Abv89047 Human col
Aal48672 Human apo
Abl87441 Human ova
Adb55291 Toxicity-
Abn94337 Gene #835
Abv07516 Human pro
Aai93341 Human pol
Acn90645 Breast ca
Aah86932 Human sin
Aah86931 Human sin
Aah94115 Human foe
Abs02269 Human gen
Acn62238 Cotton gy
Ach41212 Human foe
Aak76240 Human imm
Aak59799 Human imm
Aah11727 Human cDN
Abz17090 Arabidops
Aah34065 Human col
Acn47532 Cotton pr
Aax20864 Polynucle
Ach78660 Human gen
Aac54088 Arabidops
Aac52439 Arabidops
Adc76979 DNA homol
Adm45025 Insect re
Aah98821 Human EST
Abk63160 Rat seque
Adb57327 Toxicity-
Adb51885 Primary r
Abt41455 Toxicity
Adp72299 Renal tox
Acn45324 Cotton pr
Aal20882 Human bre
Abl18947 Drosophil
Abz11620 Human pol
Adm44138 Novel hum
Aac74413 Human sec
Aas43303 DNA encod
Aah93023 Human inf
Aav44223 Lettuce r
Abk67821 Lettuce p
Abk31083 Plant dwa
Adc75983 DNA homol
Aah08292 Human cDN
Aax98910 Human val
Aav69545 P. neopol
Aav44218 Lettuce r
Abk67816 Lettuce p
Abx66171 Helicobac
Aac49683 Arabidops
Aac34965 Arabidops
Aah06394 Human cDN
Acn90598 Breast ca

c	167	16.4	60.7	839	4	AAI97401
c	168	16.4	60.7	841	5	ADL61958
c	169	16.4	60.7	852	2	AAT39913
c	170	16.4	60.7	852	3	AAZ49834
	171	16.4	60.7	858	4	ABA07130
	172	16.4	60.7	858	4	AAK89344
c	173	16.4	60.7	867	2	AAV29323
c	174	16.4	60.7	925	3	AAA30430
	175	16.4	60.7	972	5	ABV02871
c	176	16.4	60.7	980	6	ABX66422
c	177	16.4	60.7	994	2	AAZ08541
	178	16.4	60.7	999	3	AAH51191
c	179	16.2	60.0	278	7	ADS69667
	180	16.2	60.0	288	4	AAS35132
	181	16.2	60.0	288	4	AAS35773
	182	16.2	60.0	288	10	ADE46467
	183	16.2	60.0	288	10	ADE45211
	184	16.2	60.0	288	13	ADJ06629
	185	16.2	60.0	288	13	ADJ07885
	186	16.2	60.0	398	8	ABX40633
	187	16.2	60.0	401	4	AAK96258
	188	16.2	60.0	401	4	AAK97751
	189	16.2	60.0	401	6	ABT01028
	190	16.2	60.0	401	6	ABT02521
	191	16.2	60.0	402	4	AAK96724
	192	16.2	60.0	402	4	AAK98217
	193	16.2	60.0	402	6	ABT01494
	194	16.2	60.0	402	6	ABT02987
	195	16.2	60.0	402	12	ADH77749
c	196	16.2	60.0	406	8	ABZ54837
c	197	16.2	60.0	530	6	ABV98916
c	198	16.2	60.0	540	3	AAF09605
c	199	16.2	60.0	600	13	ACN59422
c	200	16.2	60.0	861	4	AAH06412
c	201	16.2	60.0	944	12	ADO35794
c	202	16.2	60.0	944	13	ADS95230
c	203	16	59.3	181	10	ADJ37842
c	204	16	59.3	181	12	ADI30630
c	205	16	59.3	211	4	AAF58493
c	206	16	59.3	226	4	AAH35663
	207	16	59.3	277	9	ADA01857
	208	16	59.3	277	10	ADB71596
	209	16	59.3	280	13	ADS50733
c	210	16	59.3	282	13	ACN59994
	211	16	59.3	284	5	ABV59350
	212	16	59.3	285	5	ABV59456
c	213	16	59.3	293	4	AAS37868
	214	16	59.3	296	3	AAA00042
c	215	16	59.3	312	2	AAV75368
	216	16	59.3	314	4	AAD02138
c	217	16	59.3	322	6	ABN62838
c	218	16	59.3	327	13	ADQ52365
c	219	16	59.3	342	4	AAL11722
c	220	16	59.3	344	8	ABZ53545
	221	16	59.3	344	9	ADA01776
	222	16	59.3	344	10	ADB71515
c	223	16	59.3	345	13	ADR26442
c	224	16	59.3	366	4	AAK59158
c	225	16	59.3	378	2	AAV87181
c	226	16	59.3	388	6	ABN78580
	227	16	59.3	396	6	ABN94489
c	228	16	59.3	405	4	AAI88358
c	229	16	59.3	409	6	ABN62750
c	230	16	59.3	412	3	AAC00295
c	231	16	59.3	416	13	ACN55475
	232	16	59.3	432	6	ABL79971
c	233	16	59.3	436	8	ABX37986
	234	16	59.3	444	2	AAZ27719
	235	16	59.3	465	5	ABV53533
	236	16	59.3	476	9	ACH18223
c	237	16	59.3	478	13	ACN45790
	238	16	59.3	481	4	AAI15080
	239	16	59.3	481	4	ABA56824

Aai97401 Human neu
Adl61958 Human ova
Aat39913 Maize ace
Aaz49834 Partial n
Aba07130 Human pan
Aak89344 Human dig
Aav29323 Type A2 A
Aaa30430 Human Rac
Abv02871 Human pro
Abx66422 Helicobac
Aaz08541 Human MBG
Aah51191 Human CYP
Ads69667 Corn seed
Aas35132 Human car
Aas35773 Human car
Ade46467 Human car
Ade45211 Human car
Adj06629 Human car
Adj07885 Human car
Abx40633 Bovine ES
Aak96258 Human neu
Aak97751 Human neu
Abt01028 Human neu
Abt02521 Human neu
Aak96724 Human neu
Aak98217 Human neu
Abt01494 Human neu
Abt02987 Human neu
Adh77749 Human neu
Abz54837 Aspergill
Abv98916 Human pan
Aaf09605 Fusarium
Acn59422 Cotton gy
Aah06412 Human cDN
Ado35794 Novel mou
Ads95230 Murine th
Adj37842 Rat strok
Adi30630 Rat strok
Aaf58493 Oligonucl
Aah35663 Human col
Ada01857 Mouse Gat
Adb71596 Mouse car
Ads50733 Bacterial
Acn59994 Cotton gy
Abv59350 Human pro
Abv59456 Human pro
Aas37868 Novel hum
Aaa00042 Human col
Aav75368 Staphyloc
Aad02138 Penicilli
Abn62838 Human can
Adq52365 Novel can
Aal11722 Human bre
Abz53545 Aspergill
Ada01776 Mouse Gat
Adb71515 Mouse car
Adr26442 Breast ca
Aak59158 Human imm
Aav87181 EST clone
Abn78580 Human ORF
Abn94489 Gene #987
Aai88358 Human pol
Abn62750 Human can
Aac00295 Human sec
Acn55475 Cotton an
Abl79971 Human ova
Abx37986 Bovine ES
Aaz27719 Human DNA
Abv53533 Human pro
Ach18223 Human adu
Acn45790 Cotton pr
Aai15080 Probe #50
Aba56824 Human foe

	240	16	59.3	481	6	ABS05099 Abs05099 Human gen
c	241	16	59.3	484	6	ABS69554 Abs69554 Novel mur
	242	16	59.3	487	4	AAH88434 Aah88434 CNS disor
c	243	16	59.3	487	4	AAK74627 Aak74627 Human imm
	244	16	59.3	487	13	ACN47254 Acn47254 Cotton pr
	245	16	59.3	492	3	AAC36200 Aac36200 Arabidops
	246	16	59.3	507	11	ACH95405 Ach95405 Klebsiell
c	247	16	59.3	516	11	ACH95269 Ach95269 Klebsiell
	248	16	59.3	526	4	AAI98764 Aai98764 Human exc
	249	16	59.3	526	5	AAI63160 Aai63160 Human kid
	250	16	59.3	526	10	ABX57569 Abx57569 Arabidops
c	251	16	59.3	527	6	ABN63373 Abn63373 Human can
	252	16	59.3	527	10	ABX61020 Abx61020 Arabidops
	253	16	59.3	531	2	AAX83409 Aax83409 Breast ca
	254	16	59.3	531	2	AAV69019 Aav69019 DNA molec
	255	16	59.3	531	3	AAC80932 Aac80932 Human bre
	256	16	59.3	531	6	AAS99778 Aas99778 Breast tu
	257	16	59.3	531	6	ABK46822 Abk46822 Human bre
	258	16	59.3	531	8	ADA11299 Ada11299 Human bre
	259	16	59.3	531	10	ADC15272 Adc15272 Human bre
c	260	16	59.3	537	11	ACH95270 Ach95270 Klebsiell
	261	16	59.3	539	4	AAH11714 Aah11714 Human cDN
	262	16	59.3	544	11	ACN91666 Acn91666 Breast ca
	263	16	59.3	548	4	AAI99265 Aai99265 Human exc
	264	16	59.3	548	5	AAI63615 Aai63615 Human kid
c	265	16	59.3	549	3	AAC95327 Aac95327 Cat flea
c	266	16	59.3	549	11	ACH95335 Ach95335 Klebsiell
	267	16	59.3	558	11	ACH95216 Ach95216 Klebsiell
	268	16	59.3	560	3	AAA44238 Aaa44238 Human sec
c	269	16	59.3	560	4	AAI17481 Aai17481 Probe #74
c	270	16	59.3	560	4	ABA62412 Aba62412 Human foe
c	271	16	59.3	560	4	AAI42390 Aai42390 Probe #11
c	272	16	59.3	560	4	ABA29745 Aba29745 Probe #82
c	273	16	59.3	560	4	AAK36629 Aak36629 Human bon
c	274	16	59.3	560	4	AAK10750 Aak10750 Human bra
c	275	16	59.3	562	6	ABN63322 Abn63322 Human can
c	276	16	59.3	570	4	AAH11472 Aah11472 Human cDN
c	277	16	59.3	570	12	ACH87017 Ach87017 Human gen
c	278	16	59.3	577	12	ACH73287 Ach73287 Human gen
c	279	16	59.3	587	5	ABV56260 Abv56260 Human pro
	280	16	59.3	609	4	AAL23130 Aal23130 Human bre
	281	16	59.3	609	11	ACH95382 Ach95382 Klebsiell
c	282	16	59.3	610	10	ADE34408 Ade34408 Human G-p
c	283	16	59.3	619	4	AAL12965 Aal12965 Human bre
	284	16	59.3	628	10	ADD29696 Add29696 Mouse tum
	285	16	59.3	651	4	AAL14268 Aal14268 Human bre
	286	16	59.3	669	3	AAC72712 Aac72712 Single nu
	287	16	59.3	699	10	ADF00696 Adf00696 Bacterial
c	288	16	59.3	700	6	ABQ57511 Abq57511 Human col
c	289	16	59.3	717	8	ABZ51802 Abz51802 Aspergill
c	290	16	59.3	722	6	ABQ72689 Abq72689 Human MDD
c	291	16	59.3	732	4	AAL20612 Aal20612 Human bre
	292	16	59.3	766	3	AAF10251 Aaf10251 Fusarium
	293	16	59.3	789	11	ACN84318 Acn84318 Breast ca
c	294	16	59.3	810	6	ABT07686 Abt07686 Human bre
	295	16	59.3	818	3	ABN81101 Shrimp po
c	296	16	59.3	828	10	ADC26766 Adc26766 Human lip
c	297	16	59.3	844	11	ACN81921 Acn81921 Breast ca
	298	16	59.3	861	8	ACA44313 Aca44313 Prokaryot
	299	16	59.3	880	6	ADG79296 Adg79296 Human sec
c	300	16	59.3	887	10	ADE56193 Ade56193 Human gen
c	301	16	59.3	887	10	ADE56197 Ade56197 Human gen
c	302	16	59.3	887	10	ADD45289 Add45289 Human gen
	303	16	59.3	891	10	ADF03314 Adf03314 Bacterial
c	304	16	59.3	914	2	AAX97765 Aax97765 Extended
c	305	16	59.3	914	12	ADP19032 Adp19032 Human sec
c	306	16	59.3	918	13	ADR63422 Adr63422 Cotton cD
c	307	16	59.3	933	3	AAF13613 Aaf13613 Aspergill
	308	16	59.3	958	6	ABL99834 Abl99834 Human sec
	309	15.8	58.5	60	6	ABN49617 Abn49617 Human spl
c	310	15.8	58.5	151	12	ADQ17595 Adq17595 Human sof
	311	15.8	58.5	153	10	ABZ38138 Abz38138 N. gonorr
	312	15.8	58.5	224	3	AAC28232 Aac28232 Human sec
c	313	15.8	58.5	265	6	ABL86413 Abl86413 Human ova
	314	15.8	58.5	294	5	ABV61669 Abv61669 Human pro
c	315	15.8	58.5	318	10	ADC93390 Adc93390 E. faeciu
	316	15.8	58.5	335	6	ABN16287 Abn16287 Human ORF
	317	15.8	58.5	362	13	ACN46589 Acn46589 Cotton pr
	318	15.8	58.5	365	2	AAT21315 Aat21315 Human gen
	319	15.8	58.5	366	8	ABZ17740 Abz17740 S2 subtra
	320	15.8	58.5	387	4	AAH71186 Aah71186 Human cer
c	321	15.8	58.5	389	2	AAV90682 Aav90682 Nucleotid
c	322	15.8	58.5	389	2	AAV90869 Aav90869 Nucleotid
c	323	15.8	58.5	406	5	ABV54943 Abv54943 Human pro
	324	15.8	58.5	411	6	ABN19379 Abn19379 Human ORF
	325	15.8	58.5	413	3	AAA06626 Aaa06626 Human imm
	326	15.8	58.5	413	4	AAH93742 Aah93742 Human pro
	327	15.8	58.5	413	4	AAS63835 Aas63835 Human pro
	328	15.8	58.5	413	4	AAH02807 Aah02807 Prostate
	329	15.8	58.5	413	4	AAH85056 Aah85056 Human pro
	330	15.8	58.5	413	5	ACA59643 Aca59643 Prostate
	331	15.8	58.5	413	6	ABL95206 Abl95206 Human 225
	332	15.8	58.5	413	6	ABX04610 Abx04610 Human end
	333	15.8	58.5	413	8	ACC95370 Acc95370 Prostate
	334	15.8	58.5	413	10	ADB13857 Adb13857 Human pro
	335	15.8	58.5	413	10	ADG26273 Adg26273 Human pro
c	336	15.8	58.5	415	5	AAS66074 Aas66074 DNA encod
	337	15.8	58.5	438	3	AAC26527 Aac26527 Human sec
c	338	15.8	58.5	441	6	ABL64240 Abl64240 Stomach c
	339	15.8	58.5	442	5	ABV13883 Abv13883 Human pro
	340	15.8	58.5	449	5	ABV34196 Abv34196 Human pro
	341	15.8	58.5	455	5	ABV13075 Abv13075 Human pro
c	342	15.8	58.5	455	8	ABZ54418 Abz54418 Aspergill
	343	15.8	58.5	457	5	ABV03906 Abv03906 Human pro
	344	15.8	58.5	462	6	ABL93636 Abl93636 Arabidops
	345	15.8	58.5	483	5	AAS85228 Aas85228 DNA encod
	346	15.8	58.5	483	5	ABV04714 Abv04714 Human pro
	347	15.8	58.5	490	4	AAK92825 Aak92825 Human cDN
	348	15.8	58.5	490	5	ABV43057 Abv43057 Human pro
	349	15.8	58.5	490	5	ABV34995 Abv34995 Human pro
	350	15.8	58.5	490	5	ABV43843 Abv43843 Human pro
	351	15.8	58.5	490	12	ADL29252 Adl29252 3' end of
c	352	15.8	58.5	498	6	ABN68873 Abn68873 Streptoco
	353	15.8	58.5	513	10	ADH82874 Adh82874 Enterococ
c	354	15.8	58.5	520	12	ACH76051 Ach76051 Human gen
	355	15.8	58.5	525	12	ACH75250 Ach75250 Human gen
c	356	15.8	58.5	528	5	AAS80444 Aas80444 DNA encod
	357	15.8	58.5	543	10	ADD33396 Add33396 Mouse mit
	358	15.8	58.5	560	5	ABV54597 Abv54597 Human pro
	359	15.8	58.5	565	4	AAH93836 Aah93836 Human pro
	360	15.8	58.5	565	4	AAS63929 Aas63929 Human pro
	361	15.8	58.5	565	5	ACA59737 Aca59737 Prostate
	362	15.8	58.5	565	6	ABL95300 Abl95300 Human P10
	363	15.8	58.5	565	8	ACC95464 Acc95464 Prostate
	364	15.8	58.5	565	10	ADB14041 Adb14041 Human pro
	365	15.8	58.5	565	10	ADG26457 Adg26457 Human pro
c	366	15.8	58.5	566	13	ADQ57854 Adq57854 Novel can
c	367	15.8	58.5	570	4	AAH10783 Aah10783 Human cDN
c	368	15.8	58.5	587	12	ACH68572 Ach68572 Human gen
	369	15.8	58.5	594	12	ACH67587 Ach67587 Human gen
	370	15.8	58.5	600	12	ACH73508 Ach73508 Human gen
c	371	15.8	58.5	607	5	ABV51590 Abv51590 Human pro
c	372	15.8	58.5	609	3	AAA51369 Aaa51369 Streptoco
	373	15.8	58.5	610	4	AAK57183 Aak57183 Human imm
	374	15.8	58.5	615	2	AAX61630 Aax61630 B. burgdo
c	375	15.8	58.5	618	12	ADP29088 Adp29088 Human sec
c	376	15.8	58.5	632	6	ABK95241 Abk95241 Human pro
c	377	15.8	58.5	643	13	ADQ54101 Adq54101 Novel can
	378	15.8	58.5	648	4	ABA75809 Aba75809 Human foe
	379	15.8	58.5	648	4	AAI56465 Aai56465 Probe #25
	380	15.8	58.5	648	6	ABS23954 Abs23954 Human gen
	381	15.8	58.5	648	12	ACH85008 Ach85008 Human gen
	382	15.8	58.5	654	2	AAX61629 Aax61629 B. burgdo
c	383	15.8	58.5	657	4	AAH44439 Aah44439 Human alk
c	384	15.8	58.5	660	4	ABL09645 Abl09645 Drosophil
c	385	15.8	58.5	660	6	ABS72452 Abs72452 Human gen

c 386	15.8	58.5	676	4	AAF27650	Aaf27650 DNA encod
c 387	15.8	58.5	694	4	AAS26254	Aas26254 Human cDN
c 388	15.8	58.5	694	8	ABX73595	Abx73595 Human nov
389	15.8	58.5	705	6	ABX04588	Abx04588 Human end
c 390	15.8	58.5	731	11	ADM86401	Adm86401 Salmonell
c 391	15.8	58.5	742	4	AAF22928	Aaf22928 Human pro
392	15.8	58.5	757	6	ABX04606	Abx04606 Human end
c 393	15.8	58.5	758	4	AAF22926	Aaf22926 Human pro
c 394	15.8	58.5	760	10	ABX07195	Abx07195 S. pneumo
395	15.8	58.5	773	6	ABX04603	Abx04603 Human end
396	15.8	58.5	795	10	ADF02819	Adf02819 Bacterial
397	15.8	58.5	817	4	AAF44800	Aaf44800 Cysteine
398	15.8	58.5	817	10	ADB94741	Adb94741 Programme
c 399	15.8	58.5	831	6	ABN70496	Abn70496 Streptoco
400	15.8	58.5	833	6	ABX04580	Abx04580 Human end
401	15.8	58.5	842	13	ADS85375	Ads85375 Hybridisi
402	15.8	58.5	853	3	AAA02152	Aaa02152 Human col
c 403	15.8	58.5	853	6	ADH48761	Adh48761 NOV18 cod
404	15.8	58.5	860	6	ABX04593	Abx04593 Human end
405	15.8	58.5	862	6	ABX04589	Abx04589 Human end
406	15.8	58.5	865	6	ABX04590	Abx04590 Human end
c 407	15.8	58.5	875	6	ABN98779	Abn98779 Arabidops
408	15.8	58.5	875	12	ADJ74351	Adj74351 Rat cDNA
409	15.8	58.5	882	6	ABX04592	Abx04592 Human end
410	15.8	58.5	905	13	ADT04968	Adt04968 Haemophil
411	15.8	58.5	952	4	ABA63396	Aba63396 Human foe
412	15.8	58.5	952	4	AAI43508	Aai43508 Probe #12
413	15.8	58.5	952	6	ABS11623	Abs11623 Human gen
414	15.6	57.8	121	2	AAX80760	Aax80760 ATR 16a a
c 415	15.6	57.8	171	12	ACH83289	Ach83289 Human gen
c 416	15.6	57.8	212	2	AAX11789	Aax11789 Human bia
c 417	15.6	57.8	212	2	AAX11794	Aax11794 Human bia
c 418	15.6	57.8	212	2	AAX11791	Aax11791 Human bia
c 419	15.6	57.8	212	2	AAX11793	Aax11793 Human bia
c 420	15.6	57.8	212	2	AAX11790	Aax11790 Human bia
c 421	15.6	57.8	212	2	AAX11788	Aax11788 Human bia
c 422	15.6	57.8	212	2	AAX11792	Aax11792 Human bia
c 423	15.6	57.8	251	7	ADS66519	Ads66519 Corn seed
c 424	15.6	57.8	277	7	ADS71472	Ads71472 Human kid
c 425	15.6	57.8	300	2	AAZ14172	Aaz14172 Human gen
426	15.6	57.8	306	10	ADC76053	Adc76053 DNA homol
c 427	15.6	57.8	315	4	AAS37524	Aas37524 Novel hum
c 428	15.6	57.8	333	2	AAV16903	Aav16903 Human pro
c 429	15.6	57.8	333	2	AAX26038	Aax26038 Prostate
c 430	15.6	57.8	333	3	AAZ87523	Aaz87523 Prostate,
c 431	15.6	57.8	333	4	AAS03742	Aas03742 Biomarker
432	15.6	57.8	356	6	ABQ85741	Abq85741 Arabidops
433	15.6	57.8	362	13	ADR65028	Adr65028 Cotton cD
434	15.6	57.8	377	2	AAQ03265	Aaq03265 DNA probe
435	15.6	57.8	377	10	ABT40984	Abt40984 Toxicity
436	15.6	57.8	377	12	ADP72020	Adp72020 Renal tox
437	15.6	57.8	379	4	AAS58438	Aas58438 cDNA #111
438	15.6	57.8	379	6	ABQ85335	Abq85335 Arabidops
c 439	15.6	57.8	386	10	ADC75246	Adc75246 T harzian
c 440	15.6	57.8	386	10	ADK53224	Adk53224 Plant DNA
c 441	15.6	57.8	402	10	ADC77341	Adc77341 T harzian
c 442	15.6	57.8	402	10	ADK56442	Adk56442 Plant DNA
c 443	15.6	57.8	406	4	ABA08366	Aba08366 Human AMP
c 444	15.6	57.8	421	7	ADS71533	Ads71533 Human kid
c 445	15.6	57.8	435	5	ABV06750	Abv06750 Human pro
446	15.6	57.8	455	3	AAC04558	Aac04558 Human sec
447	15.6	57.8	466	4	AAI15586	Aai15586 Probe #55
448	15.6	57.8	466	4	ABA57540	Aba57540 Human foe
449	15.6	57.8	466	4	AAI37095	Aai37095 Probe #57
450	15.6	57.8	466	4	ABA27009	Aba27009 Probe #54
451	15.6	57.8	466	4	AAK31190	Aak31190 Human bon
452	15.6	57.8	466	4	AAK05587	Aak05587 Human bra
453	15.6	57.8	466	4	ABS30871	Abs30871 Human liv
454	15.6	57.8	466	6	ABS05942	Abs05942 Human gen
c 455	15.6	57.8	468	9	ACH45340	Ach45340 Human foe
456	15.6	57.8	469	9	ACH47002	Ach47002 Human inf
c 457	15.6	57.8	470	9	ACH40287	Ach40287 Human foe
458	15.6	57.8	477	5	ABV59399	Abv59399 Human pro
c 459	15.6	57.8	486	6	ABN70251	Abn70251 Streptoco
460	15.6	57.8	514	3	AAC55666	Aac55666 Human dif
461	15.6	57.8	514	9	ACD81658	Acd81658 Human des
462	15.6	57.8	531	3	AAC59717	Aac59717 Human sec
463	15.6	57.8	531	8	ABZ73437	Abz73437 Secreted
464	15.6	57.8	531	10	ABZ67042	Abz67042 Human sec
465	15.6	57.8	544	13	ACN61582	Acn61582 Cotton gy
c 466	15.6	57.8	560	4	AAK93066	Aak93066 Human cDN
c 467	15.6	57.8	560	12	ADL29493	Adl29493 3' end of
468	15.6	57.8	561	4	ABA59849	Aba59849 Human foe
469	15.6	57.8	561	4	AAI39721	Aai39721 Probe #84
470	15.6	57.8	561	4	AAK33998	Aak33998 Human bon
471	15.6	57.8	561	4	AAK08120	Aak08120 Human bra
472	15.6	57.8	561	4	ABS33801	Abs33801 Human liv
473	15.6	57.8	561	6	ABS08796	Abs08796 Human gen
c 474	15.6	57.8	578	12	ACH69589	Ach69589 Human gen
475	15.6	57.8	579	4	AAI42169	Aai42169 Probe #10
476	15.6	57.8	579	4	AAK10530	Aak10530 Human bra
c 477	15.6	57.8	590	13	ACN60088	Acn60088 Cotton gy
c 478	15.6	57.8	591	3	AAD00444	Aad00444 Human MIN
479	15.6	57.8	606	2	AAV87115	Aav87115 EST clone
c 480	15.6	57.8	614	6	ABN65430	Abn65430 Human can
481	15.6	57.8	617	8	ABZ54954	Abz54954 Aspergill
c 482	15.6	57.8	637	2	AAV69537	Aav69537 L. cornic
c 483	15.6	57.8	653	5	ABA13240	Aba13240 Human ner
c 484	15.6	57.8	654	12	ADI43015	Adi43015 Plant tra
c 485	15.6	57.8	654	12	ADO03146	Ado03146 Rice orth
c 486	15.6	57.8	690	2	AAV69555	Aav69555 U. florid
487	15.6	57.8	709	6	ABK53728	Abk53728 Human eos
c 488	15.6	57.8	744	6	ABQ65464	Abq65464 Arabidops
c 489	15.6	57.8	750	2	AAZ16105	Aaz16105 Human gen
c 490	15.6	57.8	751	6	ABS77211	Abs77211 Frog embr
491	15.6	57.8	767	4	AAK84243	Aak84243 Human imm
c 492	15.6	57.8	774	3	AAC43419	Aac43419 Arabidops
493	15.6	57.8	780	10	ADK59999	Adk59999 Plant DNA
494	15.6	57.8	783	3	AAC41082	Aac41082 Arabidops
495	15.6	57.8	793	4	AAL21701	Aal21701 Human bre
c 496	15.6	57.8	797	8	ACA24196	Aca24196 Prokaryot
c 497	15.6	57.8	807	8	ACA46471	Aca46471 Prokaryot
498	15.6	57.8	811	4	AAK92277	Aak92277 Human cDN
499	15.6	57.8	811	4	AAK93923	Aak93923 Human cDN
500	15.6	57.8	811	12	ADL30350	Adl30350 3' end of
501	15.6	57.8	811	12	ADL28704	Adl28704 5' end of
c 502	15.6	57.8	813	6	ABN91642	Abn91642 Staphyloc
c 503	15.6	57.8	813	13	ADS02670	Ads02670 Staphyloc
c 504	15.6	57.8	814	13	ADR64894	Adr64894 Cotton cD
505	15.6	57.8	819	9	ADB17522	Adb17522 Oryza sat
506	15.6	57.8	895	3	AAA93919	Aaa93919 Rice bZIP
c 507	15.6	57.8	899	11	ACN84000	Acn84000 Breast ca
508	15.6	57.8	938	8	ABZ52327	Abz52327 Aspergill
509	15.6	57.8	954	4	AAF71405	Aaf71405 Corynebac
510	15.6	57.8	954	4	AAF71407	Aaf71407 Corynebac
511	15.6	57.8	1000	4	AAS30810	Aas30810 Human cDN
c 512	15.4	57.0	22	3	AAA98674	Aaa98674 PTEN/MMAC
513	15.4	57.0	24	3	AAA98676	Aaa98676 PTEN/MMAC
c 514	15.4	57.0	29	3	AAZ57544	Aaz57544 Rice alph
c 515	15.4	57.0	29	6	AAL38413	Aal38413 Rice alph
c 516	15.4	57.0	41	2	AAV47843	Aav47843 Maize pol
c 517	15.4	57.0	41	2	AAV47842	Aav47842 Maize pol
c 518	15.4	57.0	45	13	ADQ83177	Adq83177 Human HER
519	15.4	57.0	50	6	ABZ01837	Abz01837 Human leu
c 520	15.4	57.0	60	6	ABN35518	Abn35518 Human spl
c 521	15.4	57.0	65	6	ABN27921	Abn27921 Rat splic
c 522	15.4	57.0	100	8	ACD71423	Acd71423 E. coli K
c 523	15.4	57.0	100	8	ACD71422	Acd71422 E. coli K
c 524	15.4	57.0	145	3	AAA98571	Aaa98571 Pigeon PT
c 525	15.4	57.0	146	3	AAA98567	Aaa98567 Chicken P
526	15.4	57.0	149	2	AAV87416	Aav87416 EST clone
c 527	15.4	57.0	153	3	AAA98555	Aaa98555 Red buffa
c 528	15.4	57.0	154	3	AAA98568	Aaa98568 Duck PTEN
c 529	15.4	57.0	156	3	AAA98563	Aaa98563 Hare PTEN
c 530	15.4	57.0	159	3	AAA98556	Aaa98556 Deer PTEN
c 531	15.4	57.0	159	3	AAA98551	Aaa98551 Chimpanze

c 532	15.4	57.0	160	3	AAA98570	Aaa98570	Ostrich P
c 533	15.4	57.0	160	3	AAA98564	Aaa98564	Antelope
c 534	15.4	57.0	160	3	AAA98553	Aaa98553	Sheep PTE
c 535	15.4	57.0	161	3	AAA98552	Aaa98552	Bovine PT
c 536	15.4	57.0	161	3	AAA98561	Aaa98561	Malayan b
c 537	15.4	57.0	161	3	AAA98554	Aaa98554	Goat PTEN
c 538	15.4	57.0	162	3	AAA98559	Aaa98559	Horse PTE
c 539	15.4	57.0	162	3	AAA98557	Aaa98557	Roe deer
c 540	15.4	57.0	162	3	AAA98560	Aaa98560	Dog PTEN/
c 541	15.4	57.0	162	3	AAA98562	Aaa98562	Rabbit PT
c 542	15.4	57.0	163	3	AAA98569	Aaa98569	Quail PTE
c 543	15.4	57.0	168	3	AAA98550	Aaa98550	Human PTE
c 544	15.4	57.0	178	4	AAK72814	Aak72814	Human imm
c 545	15.4	57.0	183	3	AAA41295	Aaa41295	Human sec
546	15.4	57.0	190	3	AAC21743	Aac21743	Human sec
c 547	15.4	57.0	201	13	ADQ47942	Adq47942	Myocardia
c 548	15.4	57.0	201	13	ADQ47980	Adq47980	Myocardia
c 549	15.4	57.0	201	13	ADQ48011	Adq48011	Myocardia
c 550	15.4	57.0	201	13	ADQ48044	Adq48044	Myocardia
c 551	15.4	57.0	201	13	ADQ47842	Adq47842	Myocardia
c 552	15.4	57.0	201	13	ADQ47927	Adq47927	Myocardia
c 553	15.4	57.0	201	13	ADQ47879	Adq47879	Myocardia
c 554	15.4	57.0	201	13	ADQ48005	Adq48005	Myocardia
c 555	15.4	57.0	201	13	ADQ47885	Adq47885	Myocardia
c 556	15.4	57.0	201	13	ADQ47919	Adq47919	Myocardia
c 557	15.4	57.0	201	13	ADQ48002	Adq48002	Myocardia
c 558	15.4	57.0	201	13	ADQ47981	Adq47981	Myocardia
c 559	15.4	57.0	201	13	ADQ47833	Adq47833	Myocardia
c 560	15.4	57.0	201	13	ADQ47939	Adq47939	Myocardia
c 561	15.4	57.0	201	13	ADQ48043	Adq48043	Myocardia
c 562	15.4	57.0	201	13	ADQ47836	Adq47836	Myocardia
c 563	15.4	57.0	201	13	ADQ48051	Adq48051	Myocardia
c 564	15.4	57.0	201	13	ADQ47948	Adq47948	Myocardia
c 565	15.4	57.0	201	13	ADQ47876	Adq47876	Myocardia
c 566	15.4	57.0	201	13	ADQ47920	Adq47920	Myocardia
c 567	15.4	57.0	201	13	ADQ47988	Adq47988	Myocardia
568	15.4	57.0	202	3	AAC19500	Aac19500	Human sec
569	15.4	57.0	205	4	ABA72294	Aba72294	Human foe
570	15.4	57.0	205	4	AAI52700	Aai52700	Probe #21
571	15.4	57.0	205	4	AAK46862	Aak46862	Human bon
572	15.4	57.0	205	4	AAK20716	Aak20716	Human bra
573	15.4	57.0	207	5	ABV57012	Abv57012	Human pro
574	15.4	57.0	225	12	ADJ44707	Adj44707	Plant cDN
575	15.4	57.0	227	9	ACH45677	Ach45677	Human foe
c 576	15.4	57.0	230	4	AAI26507	Aai26507	Probe #16
c 577	15.4	57.0	230	4	ABA74737	Aba74737	Human foe
c 578	15.4	57.0	230	4	AAI55257	Aai55257	Probe #23
c 579	15.4	57.0	230	4	ABA39447	Aba39447	Probe #17
c 580	15.4	57.0	230	4	AAK49395	Aak49395	Human bon
c 581	15.4	57.0	230	4	AAK23222	Aak23222	Human bra
c 582	15.4	57.0	230	4	ABS49011	Abs49011	Human liv
c 583	15.4	57.0	230	6	ABS22881	Abs22881	Human gen
584	15.4	57.0	231	5	AAS33730	Aas33730	Human cDN
c 585	15.4	57.0	236	12	ADQ20808	Adq20808	Human sof
586	15.4	57.0	239	8	ABX44588	Abx44588	Bovine ES
c 587	15.4	57.0	239	8	ABX54854	Abx54854	Bovine ES
c 588	15.4	57.0	241	6	ABV95779	Abv95779	Human pan
c 589	15.4	57.0	249	6	ABN77180	Abn77180	Human ORF
c 590	15.4	57.0	255	5	AAH81897	Aah81897	Rat diffe
c 591	15.4	57.0	258	6	ADH31795	Adh31795	Yeast sma
592	15.4	57.0	273	4	ABA88622	Aba88622	Escherich
c 593	15.4	57.0	274	8	ABZ19005	Abz19005	Group III
594	15.4	57.0	278	2	AAV90092	Aav90092	EST clone
c 595	15.4	57.0	279	6	ABN23652	Abn23652	Human ORF
596	15.4	57.0	290	3	AAC56261	Aac56261	Pinus rad
c 597	15.4	57.0	298	2	AAX20073	Aax20073	Enterococ
c 598	15.4	57.0	298	6	ABN98058	Abn98058	E faecali
c 599	15.4	57.0	298	8	ACA88022	Aca88022	E. faecal
c 600	15.4	57.0	298	8	ABX61628	Abx61628	Enterococ
c 601	15.4	57.0	300	6	ABN76017	Abn76017	Human ORF
602	15.4	57.0	301	8	ABZ18944	Abz18944	Group III
603	15.4	57.0	306	6	ABN26380	Abn26380	Human ORF
604	15.4	57.0	314	3	AAC24984	Aac24984	Human sec
605	15.4	57.0	314	4	AAL00710	Aal00710	Human rep
606	15.4	57.0	314	5	AAS40129	Aas40129	DNA encod
607	15.4	57.0	314	11	ADJ09124	Adj09124	Human pro
608	15.4	57.0	315	2	AAV88416	Aav88416	EST clone
c 609	15.4	57.0	318	12	ADN98942	Adn98942	Novel hum
c 610	15.4	57.0	318	12	ADO00511	Ado00511	Novel hum
c 611	15.4	57.0	330	6	ABK78746	Abk78746	Bacillus
612	15.4	57.0	334	3	AAC71797	Aac71797	Single nu
613	15.4	57.0	334	3	AAC71734	Aac71734	Single nu
614	15.4	57.0	334	3	AAC71743	Aac71743	Single nu
c 615	15.4	57.0	335	3	AAZ42653	Aaz42653	Human 5'
c 616	15.4	57.0	337	2	AAX41043	Aax41043	Human sec
617	15.4	57.0	347	3	AAC23381	Aac23381	Human sec
618	15.4	57.0	347	8	ABX37603	Abx37603	Bovine ES
619	15.4	57.0	351	8	ABZ19162	Abz19162	Group III
c 620	15.4	57.0	354	4	AAK58827	Aak58827	Human imm
c 621	15.4	57.0	358	4	AAS37368	Aas37368	Novel hum
622	15.4	57.0	361	4	AAL00099	Aal00099	Human rep
623	15.4	57.0	365	3	AAC08048	Aac08048	Human sec
c 624	15.4	57.0	366	2	AAX20104	Aax20104	Enterococ
c 625	15.4	57.0	366	6	ABN98089	Abn98089	E faecali
c 626	15.4	57.0	366	8	ACA88053	Aca88053	E. faecal
c 627	15.4	57.0	366	8	ABX61659	Abx61659	Enterococ
628	15.4	57.0	369	5	ABV07523	Abv07523	Human pro
629	15.4	57.0	377	3	AAA81905	Aaa81905	N. mening
c 630	15.4	57.0	378	6	ABQ54461	Abq54461	Human ova
631	15.4	57.0	378	10	ABZ41162	Abz41162	N. gonorr
c 632	15.4	57.0	378	10	ABZ39432	Abz39432	N. gonorr
633	15.4	57.0	381	6	ABN26331	Abn26331	Human ORF
634	15.4	57.0	383	3	AAZ42344	Aaz42344	Human 5'
635	15.4	57.0	383	3	AAC05457	Aac05457	Human sec
c 636	15.4	57.0	385	8	ABX63739	Abx63739	Human cDN
c 637	15.4	57.0	393	4	AAI81260	Aai81260	Human pol
c 638	15.4	57.0	397	6	ABV96345	Abv96345	Human pan
639	15.4	57.0	405	6	ABL67593	Abl67593	Oesophagu
c 640	15.4	57.0	406	4	AAS28960	Aas28960	cDNA enco
c 641	15.4	57.0	406	4	AAS41128	Aas41128	cDNA enco
c 642	15.4	57.0	406	4	AAS34860	Aas34860	cDNA enco
c 643	15.4	57.0	406	4	AAI99564	Aai99564	Human exp
c 644	15.4	57.0	406	4	ABA06505	Aba06505	Human cDN
c 645	15.4	57.0	406	5	AAS29593	Aas29593	Human end
c 646	15.4	57.0	406	6	ABT07795	Abt07795	Novel hum
c 647	15.4	57.0	406	6	ABV83842	Abv83842	Human pol
c 648	15.4	57.0	406	10	ADC46018	Adc46018	Human neo
c 649	15.4	57.0	406	12	ADP93265	Adp93265	Cotton ex
c 650	15.4	57.0	407	6	ABV94960	Abv94960	Human pan
651	15.4	57.0	407	10	ADA19329	Ada19329	Human ins
652	15.4	57.0	408	8	ACA37203	Aca37203	Prokaryot
653	15.4	57.0	411	3	AAC35730	Aac35730	Arabidops
c 654	15.4	57.0	417	4	AAI87425	Aai87425	Human pol
c 655	15.4	57.0	417	10	ACC61793	Acc61793	Gene sequ
c 656	15.4	57.0	417	10	ADK63925	Adk63925	Disease t
c 657	15.4	57.0	426	8	ABZ18670	Abz18670	Group III
658	15.4	57.0	427	2	AAT93341	Aat93341	EST locus
c 659	15.4	57.0	427	13	ACN48987	Acn48987	Cotton pr
660	15.4	57.0	428	10	ABZ89017	Abz89017	Human nuc
661	15.4	57.0	428	11	ABD25247	Abd25247	AI092429
c 662	15.4	57.0	432	10	ADH84754	Adh84754	Enterococ
c 663	15.4	57.0	435	2	AAX20102	Aax20102	Enterococ
c 664	15.4	57.0	435	6	ABN98087	Abn98087	E faecali
c 665	15.4	57.0	435	8	ACA88051	Aca88051	E. faecal
c 666	15.4	57.0	435	8	ABX61657	Abx61657	Enterococ
c 667	15.4	57.0	439	8	ABZ19704	Abz19704	Group III
668	15.4	57.0	439	11	ACN92362	Acn92362	Breast ca
c 669	15.4	57.0	441	2	AAX20072	Aax20072	Enterococ
c 670	15.4	57.0	441	6	ABN98057	Abn98057	E faecali
c 671	15.4	57.0	441	8	ACA88021	Aca88021	E. faecal
c 672	15.4	57.0	441	8	ABX61627	Abx61627	Enterococ
c 673	15.4	57.0	445	9	ACH39529	Ach39529	Human foe
c 674	15.4	57.0	446	6	ABV95294	Abv95294	Human pan
c 675	15.4	57.0	447	6	ABL84200	Abl84200	Human ova
c 676	15.4	57.0	447	9	ACH41821	Ach41821	Human foe
c 677	15.4	57.0	448	8	ABZ19343	Abz19343	Group III

c	678	15.4	57.0	449	6	ABZ35645 Abz35645 Human gen
	679	15.4	57.0	451	4	AAK55042 Aak55042 Human imm
	680	15.4	57.0	452	9	ACH49929 Ach49929 Human leu
	681	15.4	57.0	454	6	ABL62572 Abl62572 Colon ade
c	682	15.4	57.0	459	9	ACH14628 Ach14628 Human adu
c	683	15.4	57.0	459	9	ACH41963 Ach41963 Human foe
	684	15.4	57.0	459	11	ACN88354 Acn88354 Breast ca
c	685	15.4	57.0	466	4	AAK63894 Aak63894 Human imm
c	686	15.4	57.0	469	6	ABL93469 Abl93469 Arabidops
	687	15.4	57.0	470	4	AAS25956 Aas25956 Human cDN
	688	15.4	57.0	470	8	ABX73297 Abx73297 Human nov
c	689	15.4	57.0	471	6	ABL63931 Abl63931 Breast ca
c	690	15.4	57.0	471	6	ABL63496 Abl63496 Breast ca
c	691	15.4	57.0	472	9	ACH34187 Ach34187 Human end
	692	15.4	57.0	474	4	AAI13367 Aai13367 Probe #33
	693	15.4	57.0	474	4	AAI34720 Aai34720 Probe #34
	694	15.4	57.0	474	4	AAK03330 Aak03330 Human bra
c	695	15.4	57.0	474	5	AAS09369 Aas09369 Amplicon
	696	15.4	57.0	474	6	ABS03306 Abs03306 Human gen
c	697	15.4	57.0	475	3	AAA56026 Aaa56026 Human chr
c	698	15.4	57.0	477	4	AAI32713 Aai32713 Probe #13
c	699	15.4	57.0	477	4	ABA42682 Aba42682 Human bre
c	700	15.4	57.0	477	4	ABA22879 Aba22879 Probe #13
c	701	15.4	57.0	477	5	AAI01359 Aai01359 Probe #13
c	702	15.4	57.0	477	6	ABS01409 Abs01409 Human gen
c	703	15.4	57.0	484	11	ADI31296 Adi31296 Human cDN
	704	15.4	57.0	495	3	AAC75463 Aac75463 Human ORF
	705	15.4	57.0	495	9	ACH45497 Ach45497 Human foe
c	706	15.4	57.0	496	5	AAH88739 Aah88739 Sucrose s
	707	15.4	57.0	497	9	ACH44263 Ach44263 Human foe
c	708	15.4	57.0	497	10	ADB56884 Adb56884 Toxicity-
c	709	15.4	57.0	498	6	ABZ08440 Abz08440 Human leu
c	710	15.4	57.0	500	12	ACH74060 Ach74060 Human gen
	711	15.4	57.0	501	4	AAS58318 Aas58318 cDNA #994
	712	15.4	57.0	501	5	ABV09086 Abv09086 Human pro
	713	15.4	57.0	501	9	ACH37860 Ach37860 Human end
c	714	15.4	57.0	504	10	ADE81575 Ade81575 Arabidops
	715	15.4	57.0	505	10	ADD32326 Add32326 Human mit
c	716	15.4	57.0	510	6	ABV95195 Abv95195 Human pan
	717	15.4	57.0	511	10	ADE81423 Ade81423 Arabidops
	718	15.4	57.0	512	10	ADE61247 Ade61247 Rat gene
c	719	15.4	57.0	517	4	AAL11997 Aal11997 Human bre
	720	15.4	57.0	519	13	ACN58726 Acn58726 Cotton gy
c	721	15.4	57.0	531	6	ABV95791 Abv95791 Human pan
	722	15.4	57.0	532	4	AAH69577 Aah69577 Human cer
c	723	15.4	57.0	532	12	ACH78837 Ach78837 Human gen
c	724	15.4	57.0	534	6	ABV95677 Abv95677 Human pan
	725	15.4	57.0	534	13	ACN56256 Acn56256 Cotton an
c	726	15.4	57.0	543	6	ABV96110 Abv96110 Human pan
c	727	15.4	57.0	544	12	ACH75977 Ach75977 Human gen
	728	15.4	57.0	545	10	ADB55938 Adb55938 Toxicity-
c	729	15.4	57.0	546	5	ABV49987 Abv49987 Human pro
c	730	15.4	57.0	547	4	AAI18072 Aai18072 Probe #80
c	731	15.4	57.0	547	4	ABA63039 Aba63039 Human foe
c	732	15.4	57.0	547	4	AAI43071 Aai43071 Probe #11
c	733	15.4	57.0	547	4	ABA30298 Aba30298 Probe #87
c	734	15.4	57.0	547	4	AAK37240 Aak37240 Human bon
c	735	15.4	57.0	547	4	AAK11455 Aak11455 Human bra
c	736	15.4	57.0	547	4	ABS36911 Abs36911 Human liv
c	737	15.4	57.0	547	6	ABS11229 Abs11229 Human gen
	738	15.4	57.0	549	5	ABV61117 Abv61117 Human pro
c	739	15.4	57.0	549	13	ADQ57286 Adq57286 Novel can
	740	15.4	57.0	552	6	ABQ67929 Abq67929 Listeria
c	741	15.4	57.0	553	5	ABV54712 Abv54712 Human pro
c	742	15.4	57.0	553	6	ABT09979 Abt09979 Human bre
c	743	15.4	57.0	558	12	ADJ10742 Adj10742 Recombina
	744	15.4	57.0	560	2	AAZ96462 Aaz96462 S. pneumo
c	745	15.4	57.0	563	12	ADP07679 Adp07679 Human sec
	746	15.4	57.0	579	6	ABN63192 Abn63192 Human can
c	747	15.4	57.0	583	9	ACH41803 Ach41803 Human foe
	748	15.4	57.0	584	4	AAH73029 Aah73029 Human cer
	749	15.4	57.0	588	4	ABA59752 Aba59752 Human foe
	750	15.4	57.0	588	4	AAI39618 Aai39618 Probe #83
	751	15.4	57.0	588	4	AAK33893 Aak33893 Human bon
	752	15.4	57.0	588	4	AAK08021 Aak08021 Human bra
c	753	15.4	57.0	588	6	ABQ75374 Abq75374 Human lun
c	754	15.4	57.0	590	6	ABL50477 Abl50477 Human nGP
c	755	15.4	57.0	591	5	ABV58810 Abv58810 Human pro
c	756	15.4	57.0	597	5	ABV59095 Abv59095 Human pro
c	757	15.4	57.0	598	13	ADQ49662 Adq49662 Novel can
	758	15.4	57.0	599	12	ADN11289 Adn11289 Human PP2
c	759	15.4	57.0	599	13	ACN50781 Acn50781 Cotton an
	760	15.4	57.0	600	10	ABZ84698 Abz84698 Toxicolog
	761	15.4	57.0	601	12	ADL15806 Adl15806 Novel tra
c	762	15.4	57.0	605	6	ABN60278 Abn60278 Human can
	763	15.4	57.0	609	4	AAH70317 Aah70317 Human cer
	764	15.4	57.0	611	4	AAH10873 Aah10873 Human cDN
c	765	15.4	57.0	612	2	AAX13769 Aax13769 Enterococ
c	766	15.4	57.0	612	6	ABS99564 Abs99564 Enterococ
c	767	15.4	57.0	615	4	AAH71049 Aah71049 Human cer
c	768	15.4	57.0	638	2	AAT93331 Aat93331 Exon 6 of
c	769	15.4	57.0	639	10	ADC32174 Adc32174 Human nov
	770	15.4	57.0	645	3	AAF13446 Aaf13446 Aspergill
c	771	15.4	57.0	645	5	AAS66349 Aas66349 DNA encod
c	772	15.4	57.0	648	8	ABZ19911 Abz19911 Group III
	773	15.4	57.0	652	8	ABZ19320 Abz19320 Group III
	774	15.4	57.0	657	3	AAF21639 Aaf21639 Human bre
c	775	15.4	57.0	658	13	ADQ54166 Adq54166 Novel can
c	776	15.4	57.0	661	2	AAV46399 Aav46399 Human tum
c	777	15.4	57.0	661	2	AAX57680 Aax57680 Human tum
c	778	15.4	57.0	663	2	AAV46404 Aav46404 Human tum
c	779	15.4	57.0	668	13	ACN48553 Acn48553 Cotton pr
c	780	15.4	57.0	669	13	ADT47154 Adt47154 Bacterial
	781	15.4	57.0	673	5	ABV39237 Abv39237 Human pro
c	782	15.4	57.0	700	10	ADE63342 Ade63342 Human gen
c	783	15.4	57.0	703	10	ADD22635 Add22635 Filamento
c	784	15.4	57.0	706	2	ADR02366 Adr02366 A. gossyp
	785	15.4	57.0	713	2	AAV59572 Aav59572 Human sec
	786	15.4	57.0	713	6	ABS73559 Abs73559 Human cDN
	787	15.4	57.0	713	9	ACD82702 Acd82702 cDNA sequ
	788	15.4	57.0	713	10	ADI22787 Adi22787 cDNA enco
	789	15.4	57.0	713	12	ADH73789 Adh73789 Human sec
	790	15.4	57.0	723	5	AAS65666 Aas65666 DNA encod
c	791	15.4	57.0	724	2	AAX13868 Aax13868 Enterococ
c	792	15.4	57.0	724	6	ABS99663 Abs99663 Enterococ
c	793	15.4	57.0	728	13	ADR65059 Adr65059 Cotton cD
c	794	15.4	57.0	734	5	AAS83748 Aas83748 DNA encod
c	795	15.4	57.0	735	4	AAI97895 Aai97895 Human neu
	796	15.4	57.0	735	10	ACF71211 Acf71211 Photorhab
	797	15.4	57.0	747	3	AAC35534 Aac35534 Arabidops
c	798	15.4	57.0	748	2	AAX39978 Aax39978 Prostate
	799	15.4	57.0	748	2	AAZ16466 Aaz16466 Human gen
c	800	15.4	57.0	759	2	AAX39981 Aax39981 Prostate
c	801	15.4	57.0	759	6	ABZ15175 Abz15175 Arabidops
	802	15.4	57.0	760	4	AAK78781 Aak78781 Human imm
c	803	15.4	57.0	761	10	ADD26839 Add26839 Human adi
	804	15.4	57.0	763	4	AAK78780 Aak78780 Human imm
c	805	15.4	57.0	763	13	ADP23735 Adp23735 PRO polyp
	806	15.4	57.0	767	5	ADL63040 Adl63040 Human ova
c	807	15.4	57.0	770	2	AAX39979 Aax39979 Prostate
	808	15.4	57.0	770	6	ABN60013 Abn60013 Novel hum
c	809	15.4	57.0	775	3	AAC34793 Aac34793 Arabidops
	810	15.4	57.0	782	3	AAC53166 Aac53166 Arabidops
	811	15.4	57.0	788	3	AAF14761 Aaf14761 Aspergill
	812	15.4	57.0	795	6	ABN99067 Abn99067 Arabidops
c	813	15.4	57.0	798	8	ABZ51644 Abz51644 Aspergill
c	814	15.4	57.0	800	5	ABV04110 Abv04110 Human pro
c	815	15.4	57.0	803	5	AAH55812 Aah55812 Human SCN
c	816	15.4	57.0	804	2	AAX39983 Aax39983 Prostate
c	817	15.4	57.0	804	4	AAI94686 Aai94686 Human neu
c	818	15.4	57.0	806	4	AAH03653 Aah03653 Human cDN
	819	15.4	57.0	830	2	AAV59732 Aav59732 Human sec
c	820	15.4	57.0	830	4	AAH04699 Aah04699 Human cDN
	821	15.4	57.0	830	6	ABS73723 Abs73723 Human cDN
	822	15.4	57.0	830	9	ACD82866 Acd82866 cDNA sequ
	823	15.4	57.0	830	10	ADI22951 Adi22951 cDNA enco

	824	15.4	57.0	830	12	ADH73953 Adh73953 Human sec
c	825	15.4	57.0	833	4	AAK92183 Aak92183 Human cDN
c	826	15.4	57.0	833	4	AAK93449 Aak93449 Human cDN
c	827	15.4	57.0	833	12	ADL29876 Adl29876 5' end of
c	828	15.4	57.0	833	12	ADL28610 Adl28610 5' end of
	829	15.4	57.0	837	6	ABX04577 Abx04577 Human end
c	830	15.4	57.0	843	10	ADE63539 Ade63539 Rat gene
	831	15.4	57.0	849	5	ADL62253 Adl62253 Human ova
c	832	15.4	57.0	858	5	AAS75474 Aas75474 DNA encod
c	833	15.4	57.0	858	5	AAS66367 Aas66367 DNA encod
c	834	15.4	57.0	858	10	ADC32032 Adc32032 Human nov
c	835	15.4	57.0	858	11	ACN82185 Acn82185 Breast ca
c	836	15.4	57.0	860	8	ACC00781 Acc00781 Ricinus c
c	837	15.4	57.0	862	12	ADQ22812 Adq22812 Human sof
c	838	15.4	57.0	891	8	ACA29541 Aca29541 Prokaryot
	839	15.4	57.0	897	13	ADR62504 Adr62504 Cotton cD
c	840	15.4	57.0	904	6	ABK09466 Abk09466 Human ova
c	841	15.4	57.0	923	4	AAS41046 Aas41046 cDNA enco
c	842	15.4	57.0	927	2	AAX55490 Aax55490 Soybean P
c	843	15.4	57.0	930	12	ADN98799 Adn98799 Novel hum
c	844	15.4	57.0	930	12	ADO00368 Ado00368 Novel hum
	845	15.4	57.0	949	10	ADG90872 Adg90872 Hepatic s
	846	15.4	57.0	964	3	AAC69425 Aac69425 Human sec
	847	15.4	57.0	969	4	AAK72539 Aak72539 Human imm
c	848	15.4	57.0	975	5	AAS85563 Aas85563 DNA encod
c	849	15.4	57.0	979	4	AAL07289 Aal07289 Human rep
c	850	15.4	57.0	981	4	AAS41586 Aas41586 cDNA enco
c	851	15.4	57.0	981	4	AAL01667 Aal01667 Human rep
	852	15.4	57.0	987	13	ADS47678 Ads47678 Bacterial
	853	15.4	57.0	987	13	ADS47672 Ads47672 Bacterial
c	854	15.4	57.0	992	6	ABQ76398 Abq76398 S. cerevi
	855	15.4	57.0	994	3	AAA01863 Aaa01863 Human col
	856	15.4	57.0	996	4	AAH98203 Aah98203 Human EST
c	857	15.2	56.3	25	9	ACK11252 Ack11252 Human mic
c	858	15.2	56.3	39	4	AAD09243 Aad09243 A. fumiga
c	859	15.2	56.3	39	4	AAD10352 Aad10352 A. fumiga
c	860	15.2	56.3	39	6	AAI73040 Aai73040 DNA encod
c	861	15.2	56.3	51	4	AAD09233 Aad09233 A. fumiga
c	862	15.2	56.3	51	4	AAD10342 Aad10342 A. fumiga
c	863	15.2	56.3	51	6	AAI73025 Aai73025 DNA encod
c	864	15.2	56.3	60	3	AAA29567 Aaa29567 Codon alt
c	865	15.2	56.3	121	10	ADF86902 Adf86902 Single nu
c	866	15.2	56.3	150	2	AAX11821 Aax11821 Human bia
	867	15.2	56.3	167	2	AAT20235 Aat20235 Human gen
c	868	15.2	56.3	232	3	AAC27285 Aac27285 Human sec
c	869	15.2	56.3	267	10	ABX82383 Abx82383 Corn ear-
c	870	15.2	56.3	292	10	ABX84118 Abx84118 Corn ear-
	871	15.2	56.3	306	6	ABL65894 Abl65894 Lung canc
	872	15.2	56.3	306	6	ABN94272 Abn94272 Gene #770
	873	15.2	56.3	325	4	AAL25324 Aal25324 Human bre
c	874	15.2	56.3	340	10	ADB56056 Adb56056 Toxicity-
c	875	15.2	56.3	340	10	ABT40782 Abt40782 Toxicity
	876	15.2	56.3	345	4	AAL25427 Aal25427 Human bre
	877	15.2	56.3	354	4	AAL07578 Aal07578 Human bre
c	878	15.2	56.3	354	6	ABL65793 Abl65793 Lung canc
c	879	15.2	56.3	354	6	ABL64375 Abl64375 Stomach c
c	880	15.2	56.3	354	6	ABL69097 Abl69097 Kidney ca
c	881	15.2	56.3	354	6	ABN96308 Abn96308 Gene #280
c	882	15.2	56.3	375	4	AAI81066 Aai81066 Human pol
	883	15.2	56.3	383	5	ABV60410 Abv60410 Human pro
	884	15.2	56.3	390	4	AAL07681 Aal07681 Human bre
	885	15.2	56.3	390	6	ABK29532 Abk29532 Colon ade
	886	15.2	56.3	392	7	ADJ78631 Adj78631 Different
	887	15.2	56.3	394	5	ABV18958 Abv18958 Human pro
	888	15.2	56.3	402	6	ABK80053 Abk80053 Bacillus
c	889	15.2	56.3	405	4	AAI87839 Aai87839 Human pol
	890	15.2	56.3	421	3	AAC10715 Aac10715 Human sec
c	891	15.2	56.3	422	9	ACH49774 Ach49774 Human leu
	892	15.2	56.3	435	4	AAL07717 Aal07717 Human bre
c	893	15.2	56.3	438	6	ABL94195 Abl94195 Arabidops
	894	15.2	56.3	452	4	AAL25463 Aal25463 Human bre
c	895	15.2	56.3	463	5	AAS66760 Aas66760 DNA encod
	896	15.2	56.3	466	4	AAL16620 Aal16620 Human bre
	897	15.2	56.3	468	8	ABX90997 Abx90997 Murine ge
c	898	15.2	56.3	478	6	ABV96310 Abv96310 Human pan
c	899	15.2	56.3	483	10	ADD27312 Add27312 Human adi
	900	15.2	56.3	490	4	AAL16584 Aal16584 Human bre
	901	15.2	56.3	501	6	ABK62495 Abk62495 Rat seque
	902	15.2	56.3	501	10	ADB55981 Adb55981 Toxicity-
	903	15.2	56.3	501	10	ADB50539 Adb50539 Primary r
	904	15.2	56.3	501	10	ABT40744 Abt40744 Toxicity
	905	15.2	56.3	501	12	ADP71793 Adp71793 Renal tox
	906	15.2	56.3	510	5	ADL42564 Adl42564 Human ova
c	907	15.2	56.3	518	6	ABQ15314 Abq15314 Oligonucl
	908	15.2	56.3	518	6	ABQ15315 Abq15315 Oligonucl
c	909	15.2	56.3	521	6	ABL36960 Abl36960 Human col
	910	15.2	56.3	522	10	ACD96481 Acd96481 Human col
	911	15.2	56.3	530	12	ACH68541 Ach68541 Human gen
	912	15.2	56.3	540	4	AAL16481 Aal16481 Human bre
c	913	15.2	56.3	541	12	ACH73306 Ach73306 Human gen
c	914	15.2	56.3	543	4	AAH33947 Aah33947 Human col
c	915	15.2	56.3	545	4	AAI18625 Aai18625 Probe #85
c	916	15.2	56.3	545	4	ABA63623 Aba63623 Human foe
c	917	15.2	56.3	545	4	AAI43738 Aai43738 Probe #12
c	918	15.2	56.3	545	4	ABA30820 Aba30820 Probe #92
c	919	15.2	56.3	545	4	AAK37864 Aak37864 Human bon
c	920	15.2	56.3	545	4	AAK12148 Aak12148 Human bra
c	921	15.2	56.3	545	4	ABS37492 Abs37492 Human liv
c	922	15.2	56.3	545	6	ABS11860 Abs11860 Human gen
	923	15.2	56.3	562	5	ABV48737 Abv48737 Human pro
c	924	15.2	56.3	563	12	ACH79872 Ach79872 Human gen
c	925	15.2	56.3	571	10	ADD71822 Add71822 Human uri
	926	15.2	56.3	573	2	AAZ24878 Aaz24878 Human sec
c	927	15.2	56.3	575	10	ADD71820 Add71820 Human uri
c	928	15.2	56.3	585	12	ADO41059 Ado41059 Human cDN
	929	15.2	56.3	590	11	ACN87119 Acn87119 Breast ca
	930	15.2	56.3	591	5	ABV57806 Abv57806 Human pro
	931	15.2	56.3	600	4	ABA61894 Aba61894 Human foe
	932	15.2	56.3	600	4	AAI41819 Aai41819 Probe #10
	933	15.2	56.3	600	4	AAK36104 Aak36104 Human bon
	934	15.2	56.3	600	4	AAK10205 Aak10205 Human bra
	935	15.2	56.3	600	4	ABS35797 Abs35797 Human liv
	936	15.2	56.3	600	6	ABS10249 Abs10249 Human gen
c	937	15.2	56.3	601	10	ADD34980 Add34980 Mouse mit
	938	15.2	56.3	612	3	ADF57459 Adf57459 Urogenita
c	939	15.2	56.3	615	5	AAS72480 Aas72480 DNA encod
c	940	15.2	56.3	615	5	AAS72891 Aas72891 DNA encod
c	941	15.2	56.3	615	13	ACN37708 Acn37708 Tumour-as
c	942	15.2	56.3	624	6	ABQ59340 Abq59340 Human col
	943	15.2	56.3	635	4	AAH07974 Aah07974 Human cDN
c	944	15.2	56.3	655	6	ABQ57381 Abq57381 Human col
	945	15.2	56.3	662	5	AAS72947 Aas72947 DNA encod
	946	15.2	56.3	699	6	ADG79332 Adg79332 Human sec
c	947	15.2	56.3	704	6	ABT09066 Abt09066 Phase-1 R
c	948	15.2	56.3	704	10	ADG31085 Adg31085 Liver tox
c	949	15.2	56.3	704	12	ADG45780 Adg45780 Liver inf
c	950	15.2	56.3	704	12	ADH23047 Adh23047 Partial D
c	951	15.2	56.3	709	5	ADL36894 Adl36894 Human ova
c	952	15.2	56.3	709	5	ADI71739 Adi71739 Human ova
	953	15.2	56.3	720	11	ACN86427 Acn86427 Breast ca
	954	15.2	56.3	735	4	AAH08329 Aah08329 Human cDN
	955	15.2	56.3	771	4	AAD15275 Aad15275 Oryx demm
	956	15.2	56.3	771	4	AAD15273 Aad15273 Sheep pri
	957	15.2	56.3	771	6	ABA05184 Aba05184 Sheep pri
	958	15.2	56.3	795	6	ABA05189 Aba05189 Bovine pr
	959	15.2	56.3	795	12	ADK15528 Adk15528 Bovine Pr
	960	15.2	56.3	803	12	ADK15531 Adk15531 Sheep PrP
c	961	15.2	56.3	804	6	ABN99033 Abn99033 Arabidops
c	962	15.2	56.3	845	2	AAX61426 Aax61426 DNA encod
	963	15.2	56.3	855	10	ADD71821 Add71821 Human uri
c	964	15.2	56.3	855	10	ACA54597 Aca54597 Human NF-
	965	15.2	56.3	857	10	ADE86896 Ade86896 Bovine mu
	966	15.2	56.3	857	10	ADE86894 Ade86894 Bovine mu
	967	15.2	56.3	858	10	ADE86893 Ade86893 Bovine mu
	968	15.2	56.3	858	10	ADE86898 Ade86898 Bovine mu
	969	15.2	56.3	858	10	ADE86891 Ade86891 Bovine mu

970	15.2	56.3	858	10	ADE86887	Ade86887 Bovine mu
971	15.2	56.3	858	10	ADE86889	Ade86889 Bovine mu
c 972	15.2	56.3	870	10	ADB85137	Adb85137 Rat volta
c 973	15.2	56.3	882	12	ADO00551	Ado00551 Novel hum
c 974	15.2	56.3	882	12	ADN98982	Adn98982 Novel hum
975	15.2	56.3	901	11	ACN86388	Acn86388 Breast ca
976	15	55.6	35	6	ABK94886	Abk94886 Fat regul
977	15	55.6	39	2	AAQ40938	Aaq40938 Template
978	15	55.6	47	6	ABK40812	Abk40812 Human obe
979	15	55.6	65	6	ABN29418	Abn29418 Rat splic
c 980	15	55.6	66	4	AAS08434	Aas08434 A plant r
c 981	15	55.6	101	12	ACH91296	Ach91296 Human gen
c 982	15	55.6	108	5	AAS67395	Aas67395 DNA encod
c 983	15	55.6	121	12	ADL80420	Adl80420 Human rec
c 984	15	55.6	131	5	ADI68347	Adi68347 Human ova
c 985	15	55.6	131	5	ADI74713	Adi74713 Human ova
986	15	55.6	137	2	AAX11989	Aax11989 Human bia
c 987	15	55.6	139	10	ABX85070	Abx85070 Corn ear-
988	15	55.6	147	10	ADD49478	Add49478 Human lun
989	15	55.6	165	3	AAA56945	Aaa56945 Human col
990	15	55.6	165	6	ABT12367	Abt12367 Orestes s
991	15	55.6	165	10	ACD91661	Acd91661 Human col
992	15	55.6	170	5	AAF67459	Aaf67459 Novel hum
c 993	15	55.6	182	2	AAV35440	Aav35440 Cell deat
994	15	55.6	189	13	ADR93780	Adr93780 Novel S.
995	15	55.6	198	10	ABX07257	Abx07257 S. pneumo
996	15	55.6	200	2	AAV80655	Aav80655 Kidney in
c 997	15	55.6	200	4	AAL01063	Aal01063 Human rep
c 998	15	55.6	200	4	ABL96530	Abl96530 Human tes
999	15	55.6	201	8	ACA50018	Aca50018 Prokaryot
1000	15	55.6	201	13	ADS40285	Ads40285 Human aut

ALIGNMENTS

RESULT 1
ADD28216
ID ADD28216 standard; DNA; 26 BP.
XX
AC ADD28216;
XX
DT 15-JAN-2004 (first entry)
XX
DE E. coli-specific probe #3 used in detection method.
XX
KW Escherichia coli detection; microorganism; water sample; food sample;
KW biological specimen; E. coli detection; probe; ss.
XX
OS Escherichia coli.
XX
PN US2003113731-A1.
XX
PD 19-JUN-2003.
XX
PF 19-DEC-2001; 2001US-00025137.
XX
PR 19-DEC-2001; 2001US-00025137.
XX
PA (LIUL/) LIU L.
PA (CHUN/) CHUNG T.
PA (TERN/) TERNG H.
XX
PI Liu L, Chung T, Terng H;
XX
DR WPI; 2003-810889/76.
XX
PT Detecting Escherichia coli in water sample, food sample or biological
PT sample by amplifying the nucleic acid from the microorganism, and
PT detecting the amplification product.
XX
PS Claim 15; Page 2; 9pp; English.
XX
CC The present invention relates to a method for detecting Escherichia coli.
CC The method involves providing a sample having a nucleic acid from an
CC unknown microorganism, amplifying the nucleic acid with an upstream
CC primer and a down stream primer, each primer being 18-40 nucleotides in
CC length and detecting an amplification product, where detection of the
CC amplification product indicates the presence of E. coli. The invention
CC also discloses E. coli-specific probes. The method of the invention is
CC useful for detecting E. coli in water samples, food samples or biological
CC specimens such as a specimen from a patient. The method is a fast,
CC accurate, and sensitive method for E. coli detection. The present
CC sequence represents an E. coli-specific probe used in the method of the
CC invention.
XX
SQ Sequence 26 BP; 2 A; 8 C; 4 G; 12 T; 0 U; 0 Other;

Query Match 92.6%; Score 25; DB 10; Length 26;
Best Local Similarity 100.0%; Pred. No. 0.45;
Matches 25; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 3 TTTACCTCTTGTCTTCCCGTCTTGG 27
||||||||||||||||||||||||||
Db 2 TTTACCTCTTGTCTTCCCGTCTTGG 26

RESULT 2
AAV28650
ID AAV28650 standard; cDNA; 722 BP.
XX
AC AAV28650;
XX
DT 29-JUL-1998 (first entry)
XX
DE Ripening banana pulp cDNA clone U-U31 SEQ ID NO:8.
XX
KW Banana; ripening; pulp; Musa acuminata cv. Grand Nain; fruit;
KW genetic control; tissue senescence; ss.
XX
OS Musa acuminata.
XX
PN WO9811228-A2.
XX
PD 19-MAR-1998.
XX
PF 08-SEP-1997; 97WO-GB002424.
XX
PR 10-SEP-1996; 96GB-00018862.
PR 25-APR-1997; 97GB-00008366.
XX
PA (ZENE) ZENECA LTD.
XX
PI Seymour GB, Bird CR, Medina-Suarez RDJ;
XX
DR WPI; 1998-207389/18.
XX
PT Modulation of ripening or tissue senescence in bananas - comprises use of
PT DNA isolated from ripening banana pulp to produce genetically modified
PT fruit.
XX
PS Claim 1; Page 23; 72pp; English.
XX
CC The present sequence represents a cDNA clone isolated from ripening
CC banana pulp. 57 clones were isolated and are given in AAV28643 to
CC AAV28699. The cDNA clone sequences can be used in a method of modulating
CC ripening or tissue senescence process in plants of the genus Musa. The
CC method comprises: (a) inserting into the plant material at least 1 of the
CC 57 sequences (as above); (b) regenerating the plant material, and (c)
CC selecting from the transformed regenerants, plants with modulated
CC ripening or tissue senescence characteristics. Also described in the
CC present invention are: (1) plants, their progeny, seed and material
CC obtained from the plants, produced by the above method; (2) a vector
CC functional in plants comprising a promoter region which is operably in
CC plant cells, a polynucleotide sequence as defined above, and a
CC transcription termination sequence; and (3) a method of controlling plant

OM nucleic - nucleic search, using sw model

Run on: April 16, 2005, 01:17:12 ; Search time 1767.36 Seconds
(without alignments)
581.507 Million cell updates/sec

Title: US-10-025-137B-7
Perfect score: 27
Sequence: 1 attttacctcttgtcttcccgtcttgg 27

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 34239544 seqs, 19032134700 residues

Total number of hits satisfying chosen parameters: 66303546

Minimum DB seq length: 0
Maximum DB seq length: 1000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database : EST:*
1: gb_est1:*
2: gb_est2:*
3: gb_htc:*
4: gb_est3:*
5: gb_est4:*
6: gb_est5:*
7: gb_est6:*
8: gb_gss1:*
9: gb_gss2:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	27	100.0	745	9	CL678320	CL678320 PRI0122c_
c	2	20.8	77.0	484	4	BI729062	BI729062 1031103B1
c	3	20.8	77.0	502	5	BQ821466	BQ821466 1030092E0
c	4	20.8	77.0	556	4	BI727089	BI727089 1031089E1
c	5	20.8	77.0	616	2	AW243308	AW243308 xn30h07.x
c	6	20.8	77.0	631	4	BM000573	BM000573 1031089E1
c	7	20.8	77.0	650	4	BM002362	BM002362 1031103B1
	8	20.6	76.3	554	4	BI417119	BI417119 949053D06
	9	20.6	76.3	554	4	BI674151	BI674151 949053D06
c	10	20.6	76.3	644	7	CR545521	CR545521 DKFZp470B
	11	20.6	76.3	736	9	AG438959	AG438959 Mus muscu
c	12	20.6	76.3	738	9	CL422547	CL422547 ZMMBBb043
c	13	20.6	76.3	959	2	BE880407	BE880407 601490888
	14	20.2	74.8	174	4	BI865529	BI865529 ft24g09.x
c	15	20.2	74.8	192	4	BI865691	BI865691 ft24g09.y
c	16	20.2	74.8	212	4	BM026791	BM026791 fq89b06.y
	17	20.2	74.8	445	8	BZ232053	BZ232053 CH230-438
	18	20.2	74.8	479	9	CL356241	CL356241 RPCI44_41
	19	20.2	74.8	515	8	BZ938126	BZ938126 CH240_63K
c	20	20.2	74.8	849	8	CC007093	CC007093 PUECD52TD
c	21	20.2	74.8	870	7	CO930893	CO930893 AGENCOURT
c	22	20	74.1	704	9	CNS02FY6	AL195639 Tetraodon
	23	19.8	73.3	527	7	CV509953	CV509953 kc53a12.y
	24	19.6	72.6	126	1	AV175501	AV175501 AV175501
c	25	19.6	72.6	130	6	CA829489	CA829489 3529_1_6_
c	26	19.6	72.6	133	2	BE224867	BE224867 946015E01
	27	19.6	72.6	281	7	CV391117	CV391117 QV2-NN004
c	28	19.6	72.6	288	5	BQ313265	BQ313265 CM0-BN031
	29	19.6	72.6	364	8	CC425043	CC425043 PUHTJ14TD
	30	19.6	72.6	444	9	CL385404	CL385404 RPCI44_33
c	31	19.6	72.6	454	7	CN071685	CN071685 1021017D0
	32	19.6	72.6	467	3	CR711880	CR711880 Tetraodon
	33	19.6	72.6	467	9	CL336771	CL336771 RPCI44_26
	34	19.6	72.6	468	3	CR710715	CR710715 Tetraodon
	35	19.6	72.6	475	9	CL334877	CL334877 RPCI44_25
	36	19.6	72.6	490	9	CL331550	CL331550 CH242_8O1
	37	19.6	72.6	503	8	AZ722013	AZ722013 RPCI-24-1
	38	19.6	72.6	520	3	CR717206	CR717206 Tetraodon
c	39	19.6	72.6	554	5	BQ538237	BQ538237 MEST598-H
	40	19.6	72.6	555	8	AQ597668	AQ597668 HS_2085_B
c	41	19.6	72.6	567	6	CD484299	CD484299 3529_1_11
c	42	19.6	72.6	586	7	CO518209	CO518209 3530_1_11
c	43	19.6	72.6	588	2	BE225033	BE225033 946015E01
c	44	19.6	72.6	607	9	CNS02QVK	AL209801 Tetraodon
	45	19.6	72.6	610	8	AZ761604	AZ761604 1M0556E05
	46	19.6	72.6	630	8	AZ488883	AZ488883 1M0319F23
	47	19.6	72.6	655	9	CL327965	CL327965 RPCI44_24
c	48	19.6	72.6	721	9	AG056307	AG056307 Pan trogl
	49	19.6	72.6	723	7	CK707192	CK707192 ZF101-P00
c	50	19.6	72.6	746	9	AG282179	AG282179 Mus muscu
	51	19.6	72.6	747	9	CG110662	CG110662 PUIHW07TD
c	52	19.6	72.6	756	9	CC756922	CC756922 ZMMBBb014
	53	19.6	72.6	762	2	BF301647	BF301647 602033336
c	54	19.6	72.6	770	8	BZ976031	BZ976031 PUGFT63TB
c	55	19.6	72.6	791	9	CL427817	CL427817 ZMMBBb044
	56	19.6	72.6	819	8	BZ599995	BZ599995 WHACU64TF
c	57	19.6	72.6	826	8	CC425039	CC425039 PUHTJ14TB
	58	19.6	72.6	841	8	BZ976035	BZ976035 PUGFT63TD
c	59	19.6	72.6	844	9	CL427841	CL427841 ZMMBBb044
	60	19.6	72.6	847	8	CC443337	CC443337 PUHNC10TD
	61	19.6	72.6	852	9	CNS031V5	AL224042 Tetraodon
c	62	19.6	72.6	897	8	CC362365	CC362365 PUHBD03TD
	63	19.6	72.6	929	9	CG391686	CG391686 ZMMBBc057
	64	19.4	71.9	726	4	BI200119	BI200119 602763009
	65	19.2	71.1	292	2	BF084591	BF084591 RC2-CT052
	66	19.2	71.1	566	8	AQ157560	AQ157560 nbxb0009P
c	67	19.2	71.1	620	6	CD787343	CD787343 EST658704
	68	19.2	71.1	660	9	CL369175	CL369175 RPCI44_29
c	69	19.2	71.1	682	6	BY733490	BY733490 BY733490
c	70	19.2	71.1	718	9	AG347703	AG347703 Mus muscu
c	71	19.2	71.1	733	9	CG407354	CG407354 ZMMBBb027
	72	19.2	71.1	778	9	AG513186	AG513186 Mus muscu
	73	19.2	71.1	799	9	AG525135	AG525135 Mus muscu
	74	19.2	71.1	821	8	AQ500325	AQ500325 V42B8 mTn
c	75	19.2	71.1	831	7	CK596586	CK596586 AGENCOURT
c	76	19.2	71.1	917	2	BE913166	BE913166 601668156
c	77	19	70.4	513	2	AW280592	AW280592 fj43a09.y
	78	19	70.4	517	8	AQ437784	AQ437784 HS_5056_B
c	79	19	70.4	520	6	CD332821	CD332821 StrPu537.
c	80	19	70.4	537	5	BQ480591	BQ480591 faa91e10.
	81	19	70.4	540	1	AI728823	AI728823 BNLGHi117
c	82	19	70.4	592	8	BZ716603	BZ716603 OGEAT47TC
c	83	19	70.4	602	5	BQ449870	BQ449870 faa61f08.
c	84	19	70.4	607	7	H06402	H06402 yl79g12.r1
c	85	19	70.4	617	5	BQ508490	BQ508490 EST615905
	86	19	70.4	623	9	CE119344	CE119344 tigr-gss-
	87	19	70.4	643	8	AQ470972	AQ470972 CITBI-E1-
c	88	19	70.4	648	8	BH609468	BH609468 HIV08E04
c	89	19	70.4	652	9	CE120429	CE120429 tigr-gss-
	90	19	70.4	656	9	CL336143	CL336143 RPCI44_25
	91	19	70.4	675	9	CG371833	CG371833 OGYBF72TH
c	92	19	70.4	710	4	BG599757	BG599757 EST504652
	93	19	70.4	749	7	CK026942	CK026942 AGENCOURT
	94	19	70.4	786	9	AG299147	AG299147 Mus muscu
c	95	19	70.4	801	7	CO922493	CO922493 AGENCOURT
c	96	19	70.4	804	2	BF242103	BF242103 601879786
c	97	19	70.4	805	7	CF550542	CF550542 AGENCOURT

c	98	19	70.4	813	4	BG587664
c	99	19	70.4	816	8	BZ283003
c	100	19	70.4	817	7	CO957680
c	101	19	70.4	835	7	CN013902
c	102	19	70.4	835	7	CO934072
c	103	19	70.4	842	7	CO934065
	104	19	70.4	848	9	CG675520
c	105	19	70.4	858	8	BZ656528
c	106	19	70.4	864	7	CN318189
c	107	19	70.4	866	7	CO919585
	108	19	70.4	868	7	CN062986
c	109	19	70.4	868	7	CN323904
	110	19	70.4	868	8	BZ656541
c	111	19	70.4	877	7	CV487540
c	112	19	70.4	879	7	CO921400
c	113	19	70.4	883	7	CN325701
c	114	19	70.4	939	7	CN019441
c	115	19	70.4	968	9	CNS02NJI
c	116	19	70.4	995	9	CG463284
c	117	18.8	69.6	501	8	AQ301642
	118	18.8	69.6	579	8	BH828465
	119	18.8	69.6	598	8	BH831308
	120	18.8	69.6	613	9	CL338865
	121	18.8	69.6	862	9	AG525452
	122	18.6	68.9	171	7	CN026962
	123	18.6	68.9	234	7	CO379161
c	124	18.6	68.9	291	2	BE940016
c	125	18.6	68.9	291	4	BG528564
	126	18.6	68.9	316	1	AA586908
	127	18.6	68.9	318	8	AQ715634
c	128	18.6	68.9	319	8	AQ843308
c	129	18.6	68.9	324	2	AW867148
	130	18.6	68.9	344	8	BH724835
	131	18.6	68.9	345	9	CL353169
	132	18.6	68.9	349	5	BQ207516
	133	18.6	68.9	394	1	AI474165
c	134	18.6	68.9	399	1	AU308327
c	135	18.6	68.9	413	6	CD055905
c	136	18.6	68.9	416	8	AQ686365
c	137	18.6	68.9	429	8	AQ146302
c	138	18.6	68.9	443	5	BP610800
	139	18.6	68.9	444	7	CO316176
	140	18.6	68.9	454	7	CO321838
c	141	18.6	68.9	467	8	AQ812741
	142	18.6	68.9	485	1	AA421185
	143	18.6	68.9	491	7	CO273367
	144	18.6	68.9	503	9	CL379511
c	145	18.6	68.9	511	4	BG107535
	146	18.6	68.9	512	2	BE212537
c	147	18.6	68.9	528	9	CE108947
c	148	18.6	68.9	529	6	CD489359
	149	18.6	68.9	534	1	AI108659
	150	18.6	68.9	536	1	AA390609
	151	18.6	68.9	550	8	AZ444401
	152	18.6	68.9	567	8	BH463156
c	153	18.6	68.9	570	5	BX507491
c	154	18.6	68.9	582	5	BP222967
	155	18.6	68.9	583	5	BP330759
c	156	18.6	68.9	583	5	BP365591
	157	18.6	68.9	584	5	BP306279
	158	18.6	68.9	591	2	BF107841
c	159	18.6	68.9	598	5	BP366145
	160	18.6	68.9	614	1	AI517289
c	161	18.6	68.9	632	7	CV266117
	162	18.6	68.9	633	9	CL366307
	163	18.6	68.9	639	8	AZ462492
	164	18.6	68.9	646	4	BJ025305
	165	18.6	68.9	655	5	BQ992209
c	166	18.6	68.9	662	8	AZ245375
c	167	18.6	68.9	666	9	CE210256
	168	18.6	68.9	667	4	BJ017620
	169	18.6	68.9	676	9	CL375717
	170	18.6	68.9	679	4	BJ028068

BG587664	EST489439
BZ283003	CH230-285
CO957680	AGENCOURT
CN013902	AGENCOURT
CO934072	AGENCOURT
CO934065	AGENCOURT
CG675520	trs3252_t
BZ656528	OGCAD20TC
CN318189	AGENCOURT
CO919585	AGENCOURT
CN062986	Ag2_p39_M
CN323904	AGENCOURT
BZ656541	OGCAD20TM
CV487540	AGENCOURT
CO921400	AGENCOURT
CN325701	AGENCOURT
CN019441	AGENCOURT
AL205479	Tetraodon
CG463284	PUIJP43TB
AQ301642	HS_2229_B
BH828465	BACPP27-B
BH831308	BACPP33-I
CL338865	RPCI44_26
AG525452	Mus muscu
CN026962	UMC-p4civ
CO379161	FRA2537_S
BE940016	RC1-UT003
BG528564	602580061
AA586908	nn68e03.s
AQ715634	HS_5429_B
AQ843308	nbxb0007G
AW867148	MR1-SN003
BH724835	BOMBZ87TR
CL353169	RPCI44_40
BQ207516	UI-R-DY1-
AI474165	tg83b10.x
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CD055905	HO10J11S
AQ686365	nbxb0069I
AQ146302	HS_2231_B
BP610800	BP610800
CO316176	EK263857.
CO321838	EK186508.
AQ812741	HS_5252_A
AA421185	zt86h10.s
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BG107535	602277670
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CD489359	T22_C02_T
AI108659	GH07869.5
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BH463156	BOHLD80TF
BX507491	DKFZp686C
BP222967	BP222967
BP330759	BP330759
BP365591	BP365591
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BF107841	601823840
BP366145	BP366145
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CV266117	WS02029.B
CL366307	RPCI44_35
AZ462492	1M0271D03
BJ025305	BJ025305
BQ992209	QGF25A03.
AZ245375	RPCI-23-9
CE210256	tigr-gss-
BJ017620	BJ017620
CL375717	RPCI44_43
BJ028068	BJ028068

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c	172	18.6	68.9	705	9	CG839797
c	173	18.6	68.9	711	9	CL352736
c	174	18.6	68.9	713	9	AG286807
	175	18.6	68.9	715	9	AG354413
	176	18.6	68.9	717	5	BQ997793
	177	18.6	68.9	719	9	CC680889
	178	18.6	68.9	728	9	AG423828
	179	18.6	68.9	751	7	CO102249
c	180	18.6	68.9	754	9	CL805612
	181	18.6	68.9	759	8	BH986383
c	182	18.6	68.9	761	6	CA468403
	183	18.6	68.9	764	7	CO117454
c	184	18.6	68.9	765	9	AG486728
	185	18.6	68.9	781	9	CC586977
	186	18.6	68.9	832	4	BI645700
	187	18.6	68.9	833	9	AG498107
c	188	18.6	68.9	855	8	AQ573919
	189	18.6	68.9	855	9	AG526742
	190	18.6	68.9	857	9	CC533353
	191	18.6	68.9	858	9	AG532009
c	192	18.6	68.9	860	1	AJ513059
c	193	18.6	68.9	861	8	AQ163358
c	194	18.6	68.9	868	4	BI818966
c	195	18.6	68.9	884	4	BI826215
	196	18.6	68.9	886	9	AG331628
c	197	18.6	68.9	887	5	BX433207
	198	18.6	68.9	890	9	CG260825
	199	18.6	68.9	895	9	AG534214
c	200	18.6	68.9	897	8	CC351309
	201	18.6	68.9	911	9	CG862965
c	202	18.6	68.9	932	8	AZ129772
	203	18.6	68.9	939	8	CC351320
	204	18.6	68.9	941	1	AL539599
	205	18.6	68.9	942	9	AG552112
	206	18.6	68.9	950	9	CL502923
	207	18.6	68.9	958	9	CG383246
c	208	18.6	68.9	989	4	BI086177
	209	18.4	68.1	346	1	AA791904
	210	18.4	68.1	442	8	AQ883843
c	211	18.4	68.1	560	7	CF893908
c	212	18.4	68.1	603	7	CF894584
c	213	18.4	68.1	639	7	CF892743
	214	18.4	68.1	650	6	CD770010
	215	18.4	68.1	661	2	BB619819
	216	18.4	68.1	734	9	CE318830
	217	18.4	68.1	828	7	CO400167
	218	18.4	68.1	831	7	CO561433
c	219	18.4	68.1	899	9	AG367868
	220	18.4	68.1	932	5	BQ965056
c	221	18.4	68.1	945	4	BG401417
c	222	18.2	67.4	123	9	CL423527
c	223	18.2	67.4	345	8	AZ796664
c	224	18.2	67.4	384	7	CO939175
c	225	18.2	67.4	392	7	CO945142
c	226	18.2	67.4	396	7	CO938908
	227	18.2	67.4	406	8	AZ046905
c	228	18.2	67.4	408	7	CO946642
	229	18.2	67.4	413	8	AZ462697
	230	18.2	67.4	440	8	BH750419
	231	18.2	67.4	493	9	CL786940
c	232	18.2	67.4	573	1	AI237928
	233	18.2	67.4	582	9	CE410411
c	234	18.2	67.4	591	9	CL382254
c	235	18.2	67.4	592	4	BJ357869
c	236	18.2	67.4	599	6	CA105188
c	237	18.2	67.4	601	4	BM099717
	238	18.2	67.4	612	5	BM940391
	239	18.2	67.4	613	4	BJ339336
c	240	18.2	67.4	614	5	BQ466374
c	241	18.2	67.4	621	2	AW956693
c	242	18.2	67.4	650	2	BB665533
c	243	18.2	67.4	650	4	BI954187

BZ020967	oeg05b06.
CG839797	Ynhw0411
CL352736	RPCI44_40
AG286807	Mus muscu
AG354413	Mus muscu
BQ997793	QGG17G23.
CC680889	OGVEK03TV
AG423828	Mus muscu
CO102249	GR__Eb002
CL805612	OR_CBa001
BH986383	oei10b07.
CA468403	AGENCOURT
CO117454	GR__Eb01E
AG486728	Mus muscu
CC586977	CH240_384
BI645700	603275010
AG498107	Mus muscu
AQ573919	nbxb0083C
AG526742	Mus muscu
CC533353	CH240_411
AG532009	Mus muscu
AJ513059	AJ513059
AQ163358	nbxb0006H
BI818966	603037466
BI826215	603076394
AG331628	Mus muscu
BX433207	BX433207
CG260825	OG5CV22TC
AG534214	Mus muscu
CC351309	OGIAX14TH
CG862965	ZMMBBc027
AZ129772	OSJNBb007
CC351320	OGIAX14TV
AL539599	AL539599
AG552112	Mus muscu
CL502923	SAIL_717_
CG383246	OG0AP36TV
BI086177	602870066
AA791904	vs61f01.r
AQ883843	HS_5486_B
CF893908	A0129B02-
CF894584	A0137E01-
CF892743	A0113H06-
CD770010	AGENCOURT
BB619819	BB619819
CE318830	tigr-gss-
CO400167	AGENCOURT
CO561433	AGENCOURT
AG367868	Mus muscu
BQ965056	AGENCOURT
BG401417	602464854
CL423527	01S0557-0
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CO939175	UMC-pd20f
CO945142	UMC-p4mm3
CO938908	UMC-pd20f
AZ046905	nbeb0088N
CO946642	UMC-p6mm3
AZ462697	1M0271H07
BH750419	SALK_0406
CL786940	OR_BBa010
AI237928	GM02132.5
CE410411	tigr-gss-
CL382254	RPCI44_32
BJ357869	BJ357869
CA105188	SCJFHR1C0
BM099717	EBes01_SQ
BM940391	UI-M-CG0p
BJ339336	BJ339336
BQ466374	HT02F16r
AW956693	EST368763
BB665533	BB665533
BI954187	HVSMEm001

c 244	18.2	67.4	655	4	BJ382916	BJ382916	BJ382916
c 245	18.2	67.4	662	6	CA022373	CA022373	HZ42O21r
c 246	18.2	67.4	664	4	BM375482	BM375482	EBem06_SQ
247	18.2	67.4	676	2	BB664937	BB664937	BB664937
248	18.2	67.4	679	9	CNS04VRZ	AL309464	Tetraodon
c 249	18.2	67.4	684	8	CC309072	CC309072	TAM32-28B
c 250	18.2	67.4	693	1	AL631933	AL631933	AL631933
251	18.2	67.4	706	9	CL724850	CL724850	OR_BBa005
252	18.2	67.4	716	9	CL799703	CL799703	OR_CBa001
c 253	18.2	67.4	751	4	BJ353949	BJ353949	BJ353949
c 254	18.2	67.4	758	7	CO007646	CO007646	EST795981
c 255	18.2	67.4	770	9	AG540073	AG540073	Mus muscu
c 256	18.2	67.4	777	7	CV063014	CV063014	BNEL85f4
257	18.2	67.4	784	9	AG477243	AG477243	Mus muscu
258	18.2	67.4	789	7	CR567743	CR567743	CR567743
259	18.2	67.4	791	9	AG532718	AG532718	Mus muscu
c 260	18.2	67.4	824	7	CR417129	CR417129	CR417129
c 261	18.2	67.4	828	7	CR567742	CR567742	CR567742
262	18.2	67.4	830	9	CNS022M9	AL178362	Tetraodon
c 263	18.2	67.4	841	7	CO007136	CO007136	EST795471
264	18.2	67.4	862	9	AG504988	AG504988	Mus muscu
265	18.2	67.4	866	5	BX350630	BX350630	BX350630
266	18.2	67.4	870	7	CO003195	CO003195	EST791530
c 267	18.2	67.4	876	7	CO003194	CO003194	EST791529
c 268	18.2	67.4	881	7	CO012218	CO012218	EST800553
269	18.2	67.4	885	4	BM816680	BM816680	HB01D03_T
c 270	18.2	67.4	893	4	BI952105	BI952105	HVSMEm000
271	18.2	67.4	897	9	AG141448	AG141448	Pan trogl
272	18.2	67.4	913	9	CNS02FLZ	AL195200	Tetraodon
273	18.2	67.4	936	9	AG446644	AG446644	Mus muscu
c 274	18.2	67.4	981	9	CNS008LZ	AL052043	Drosophil
c 275	18.2	67.4	995	7	CO033641	CO033641	EST812025
276	18	66.7	153	8	AQ545594	AQ545594	CITBI-E1-
c 277	18	66.7	167	9	CG813131	CG813131	SOYAF18TH
c 278	18	66.7	178	5	BX604130	BX604130	BX604130
c 279	18	66.7	212	7	CV358339	CV358339	PM0-AN008
c 280	18	66.7	218	2	BE007698	BE007698	PM0-BN014
281	18	66.7	221	8	AQ905566	AQ905566	GSSTc0693
c 282	18	66.7	230	9	BX213179	BX213179	Danio rer
c 283	18	66.7	240	4	BM645256	BM645256	170006873
c 284	18	66.7	270	8	CC160912	CC160912	ig12c03.b
c 285	18	66.7	289	6	CB064902	CB064902	px85a05.y
286	18	66.7	292	2	BB173610	BB173610	BB173610
287	18	66.7	296	9	CL388899	CL388899	RPCI44_28
288	18	66.7	302	6	CD029574	CD029574	mgmk006xF
c 289	18	66.7	304	4	BI193024	BI193024	602947272
c 290	18	66.7	305	1	AV779678	AV779678	AV779678
291	18	66.7	328	8	AQ230736	AQ230736	HS_2033_B
c 292	18	66.7	338	8	AZ483152	AZ483152	1M0308GI2
c 293	18	66.7	339	8	AQ537050	AQ537050	RPCI-11-3
294	18	66.7	359	5	BP744805	BP744805	BP744805
c 295	18	66.7	364	3	CNS094SZ	BX042303	Single re
c 296	18	66.7	369	9	CE322954	CE322954	tigr-gss-
297	18	66.7	372	4	BM867375	BM867375	mgcs009xF
c 298	18	66.7	380	8	B53579	B53579	CIT-HSP-201
299	18	66.7	382	9	CL357022	CL357022	RPCI44_41
300	18	66.7	385	9	CL352637	CL352637	RPCI44_40
c 301	18	66.7	389	7	CF633149	CF633149	zmrws48_0
302	18	66.7	395	6	CD029587	CD029587	mgmk006xH
303	18	66.7	399	9	AG202023	AG202023	Pan trogl
304	18	66.7	404	7	CF233867	CF233867	PtaJXO002
305	18	66.7	415	9	CL364402	CL364402	RPCI44_39
c 306	18	66.7	433	2	AW213432	AW213432	um55f07.y
c 307	18	66.7	434	4	BJ079607	BJ079607	BJ079607
308	18	66.7	439	7	CR374878	CR374878	CR374878
309	18	66.7	442	8	AQ822260	AQ822260	HS_5521_B
310	18	66.7	447	4	BG407405	BG407405	dab18c12.
311	18	66.7	449	6	CA518228	CA518228	KS10006E0
c 312	18	66.7	449	8	B03558	B03558	cSRL-182C10
313	18	66.7	450	4	BI316764	BI316764	saf73a08.
c 314	18	66.7	450	7	CN921595	CN921595	000226AEL
c 315	18	66.7	453	8	AZ452450	AZ452450	1M0252N15
c 316	18	66.7	455	5	BP586743	BP586743	BP586743
317	18	66.7	462	8	AQ817691	AQ817691	HS_5265_B
c 318	18	66.7	464	4	BI032007	BI032007	PM0-MT042
c 319	18	66.7	465	4	BI511449	BI511449	BB160005B
320	18	66.7	470	1	AV604380	AV604380	AV604380
c 321	18	66.7	474	8	AZ229632	AZ229632	RPCI-23-5
322	18	66.7	477	9	CC853530	CC853530	NDL.39J22
323	18	66.7	478	9	CG051973	CG051973	PUICQ39TD
324	18	66.7	480	9	CL334856	CL334856	RPCI44_25
325	18	66.7	487	1	AL704513	AL704513	DKFZp686E
c 326	18	66.7	489	4	BM619192	BM619192	170006874
327	18	66.7	489	8	AZ046980	AZ046980	nbeb0090D
c 328	18	66.7	491	8	BZ933667	BZ933667	CH240_89K
329	18	66.7	493	9	CL339459	CL339459	RPCI44_26
c 330	18	66.7	494	4	BG705736	BG705736	602668971
331	18	66.7	498	8	AQ188264	AQ188264	HS_3230_B
332	18	66.7	501	8	AQ416175	AQ416175	RPCI-11-1
333	18	66.7	502	8	BZ135985	BZ135985	CH230-386
c 334	18	66.7	503	5	BX603695	BX603695	BX603695
335	18	66.7	503	8	AQ916705	AQ916705	nbeb0067E
c 336	18	66.7	504	6	CD249318	CD249318	AGENCOURT
c 337	18	66.7	521	3	CNS08CFA	BX005522	Single re
c 338	18	66.7	521	9	CR497455	CR497455	Medicago
c 339	18	66.7	522	7	CF633834	CF633834	zmrww00_0
c 340	18	66.7	523	2	BE080476	BE080476	QV1-BT063
c 341	18	66.7	523	5	BX765701	BX765701	BX765701
c 342	18	66.7	525	4	BJ049452	BJ049452	BJ049452
343	18	66.7	538	1	AV835765	AV835765	AV835765
c 344	18	66.7	540	9	CL337023	CL337023	RPCI44_26
c 345	18	66.7	540	9	CL341541	CL341541	RPCI44_26
346	18	66.7	543	9	CG794203	CG794203	ZMMBBb031
347	18	66.7	544	9	CR253163	CR253163	Forward s
348	18	66.7	544	9	CL346283	CL346283	RPCI44_27
349	18	66.7	550	9	CL390279	CL390279	RPCI44_28
c 350	18	66.7	552	6	CA329387	CA329387	hab26b04.
351	18	66.7	552	7	CK370415	CK370415	zmrww005_
352	18	66.7	555	5	BQ594502	BQ594502	E012442-0
353	18	66.7	555	7	CO624105	CO624105	DG9-247f9
354	18	66.7	560	4	BJ486040	BJ486040	BJ486040
355	18	66.7	563	5	BQ584283	BQ584283	E011860-0
356	18	66.7	564	9	CL388448	CL388448	RPCI44_28
357	18	66.7	565	8	BH311983	BH311983	CH230-50B
358	18	66.7	566	6	CB472383	CB472383	sn54_D10.
c 359	18	66.7	567	2	BF218368	BF218368	6018B1723
c 360	18	66.7	569	1	AJ658338	AJ658338	AJ658338
361	18	66.7	575	7	CK751524	CK751524	eca01-12c
362	18	66.7	576	6	CD477213	CD477213	eca01-35m
c 363	18	66.7	582	5	BX602133	BX602133	BX602133
364	18	66.7	584	9	CL372254	CL372254	RPCI44_30
c 365	18	66.7	587	7	CR525523	CR525523	CR525523
c 366	18	66.7	595	4	BG016521	BG016521	df73e09.x
c 367	18	66.7	595	4	BM609215	BM609215	170006870
c 368	18	66.7	598	8	BZ278140	BZ278140	CH230-501
369	18	66.7	600	8	AZ462279	AZ462279	1M0269C02
c 370	18	66.7	604	3	CNS08CUS	BX006080	Single re
371	18	66.7	604	5	BU878743	BU878743	V050H06 P
c 372	18	66.7	609	9	CL389420	CL389420	RPCI44_28
c 373	18	66.7	611	5	BW577946	BW577946	BW577946
c 374	18	66.7	613	4	BM582197	BM582197	170006872
375	18	66.7	613	9	CL350969	CL350969	RPCI44_31
c 376	18	66.7	614	5	BX605634	BX605634	BX605634
c 377	18	66.7	614	8	BH504646	BH504646	BOHEU54TF
c 378	18	66.7	616	8	BH118134	BH118134	RPCI-24-2
c 379	18	66.7	616	9	CL356243	CL356243	RPCI44_41
c 380	18	66.7	616	9	CL376030	CL376030	RPCI44_44
c 381	18	66.7	617	4	BM600913	BM600913	170006870
382	18	66.7	617	9	CL411031	CL411031	RPCI44_42
c 383	18	66.7	621	9	CE848278	CE848278	tigr-gss-
384	18	66.7	625	7	CV066995	CV066995	DL005B09
c 385	18	66.7	632	4	BM652199	BM652199	170006873
386	18	66.7	632	5	BX848985	BX848985	BX848985
c 387	18	66.7	639	4	BM622342	BM622342	170006874
388	18	66.7	641	9	CL327475	CL327475	RPCI44_24
c 389	18	66.7	642	1	AL870752	AL870752	AL870752

c 390	18	66.7	642	5	BX767939	BX767939	BX767939
c 391	18	66.7	643	8	BH029427	BH029427	RPCI-24-2
c 392	18	66.7	644	4	BJ043599	BJ043599	BJ043599
c 393	18	66.7	645	1	AL883914	AL883914	AL883914
394	18	66.7	647	9	CE289854	CE289854	tigr-gss-
395	18	66.7	648	5	BQ196964	BQ196964	NXLV107_F
c 396	18	66.7	650	4	BM611135	BM611135	170006871
c 397	18	66.7	651	5	BP730660	BP730660	BP730660
c 398	18	66.7	654	9	CC827118	CC827118	ZMMBBb017
c 399	18	66.7	656	5	BX610113	BX610113	BX610113
c 400	18	66.7	659	4	BM630331	BM630331	170006875
401	18	66.7	659	8	BZ365695	BZ365695	ie28b09.g
402	18	66.7	659	9	CL336432	CL336432	RPCI44_26
c 403	18	66.7	661	8	BZ005966	BZ005966	oef05c06.
c 404	18	66.7	663	2	BE369300	BE369300	601222249
405	18	66.7	663	9	CL359113	CL359113	RPCI44_33
c 406	18	66.7	664	4	BJ631720	BJ631720	BJ631720
c 407	18	66.7	665	5	BP453425	BP453425	BP453425
c 408	18	66.7	670	5	BQ870256	BQ870256	QGD8I21.y
c 409	18	66.7	670	9	CL353861	CL353861	RPCI44_40
c 410	18	66.7	671	4	BM614960	BM614960	170006871
411	18	66.7	672	8	BZ082633	BZ082633	11f49a01.
c 412	18	66.7	672	8	BZ267424	BZ267424	CH230-409
c 413	18	66.7	674	9	CL312211	CL312211	mth2-124O
c 414	18	66.7	675	4	BM653275	BM653275	170006873
415	18	66.7	675	7	CN415304	CN415304	170005325
416	18	66.7	675	8	BH535352	BH535352	BOGZN73TF
c 417	18	66.7	676	4	BM599362	BM599362	170006870
c 418	18	66.7	676	4	BM634273	BM634273	170006875
c 419	18	66.7	676	9	CL363183	CL363183	RPCI44_38
c 420	18	66.7	677	5	BP741981	BP741981	BP741981
c 421	18	66.7	677	9	CL332483	CL332483	CH242_12C
422	18	66.7	678	9	AG165589	AG165589	Pan trogl
c 423	18	66.7	681	7	CF244292	CF244292	3530_1_28
424	18	66.7	682	9	CL368837	CL368837	RPCI44_28
c 425	18	66.7	684	4	BM620689	BM620689	170006874
426	18	66.7	684	9	AG070801	AG070801	Pan trogl
c 427	18	66.7	684	9	CR829298	CR829298	GR0AAA60D
c 428	18	66.7	685	4	BM589657	BM589657	170006684
c 429	18	66.7	689	9	CL344706	CL344706	RPCI44_27
c 430	18	66.7	691	7	CN244616	CN244616	EST010494
c 431	18	66.7	692	4	BM613808	BM613808	170006871
432	18	66.7	692	7	CK451960	CK451960	907539 MA
c 433	18	66.7	692	7	CK453012	CK453012	908691 MA
c 434	18	66.7	693	4	BM609248	BM609248	170006870
c 435	18	66.7	693	7	CK677145	CK677145	ZF101-P00
c 436	18	66.7	695	4	BM576325	BM576325	170006871
c 437	18	66.7	697	4	BI382721	BI382721	BFLG2_000
c 438	18	66.7	697	6	CD696903	CD696903	EST13426
c 439	18	66.7	700	4	BG244580	BG244580	602356767
c 440	18	66.7	700	9	CL770226	CL770226	OR_BBa014
c 441	18	66.7	701	9	CL716804	CL716804	OR_BBa004
442	18	66.7	702	5	BU874101	BU874101	Q064C08 P
c 443	18	66.7	703	4	BM629069	BM629069	170006874
444	18	66.7	703	9	CL413433	CL413433	RPCI44_43
445	18	66.7	705	8	BZ916669	BZ916669	CH240_60D
c 446	18	66.7	707	2	BF480074	BF480074	L0-1956T3
c 447	18	66.7	710	6	CD747373	CD747373	S34_C08_S
c 448	18	66.7	711	6	CB316750	CB316750	AGENCOURT
c 449	18	66.7	712	4	BI859489	BI859489	603385339
c 450	18	66.7	713	4	BM619424	BM619424	170006874
c 451	18	66.7	716	4	BM576696	BM576696	170006871
452	18	66.7	719	8	BZ673178	BZ673178	PUBBB87TD
c 453	18	66.7	720	4	BM605533	BM605533	170006870
c 454	18	66.7	722	4	BM656213	BM656213	170006873
455	18	66.7	722	8	AQ114895	AQ114895	CIT-HSP-2
456	18	66.7	724	9	CG759182	CG759182	ZMMBBb031
c 457	18	66.7	728	6	CA764954	CA764954	AF53-Rpf_
c 458	18	66.7	732	9	AG525749	AG525749	Mus muscu
459	18	66.7	734	8	BH533639	BH533639	BOGJF47TF
460	18	66.7	735	8	BH021836	BH021836	GH_MBb000
461	18	66.7	735	9	AG098404	AG098404	Pan trogl
462	18	66.7	735	9	AG372542	AG372542	Mus muscu
c 463	18	66.7	736	9	CE283374	CE283374	tigr-gss-
464	18	66.7	736	9	CL373190	CL373190	RPCI44_30
c 465	18	66.7	738	6	CD744583	CD744583	IRB3_E08_
c 466	18	66.7	739	9	CL344176	CL344176	RPCI44_27
c 467	18	66.7	743	7	CF597118	CF597118	AGENCOURT
468	18	66.7	743	8	BH952630	BH952630	odh78g11.
469	18	66.7	751	9	CG890375	CG890375	ZMMBBb036
c 470	18	66.7	758	1	AL717645	AL717645	AL717645
c 471	18	66.7	758	6	CB994800	CB994800	AGENCOURT
472	18	66.7	758	9	AG478289	AG478289	Mus muscu
c 473	18	66.7	759	8	CC370043	CC370043	PUHEO65TD
474	18	66.7	761	5	BX771878	BX771878	BX771878
c 475	18	66.7	764	7	CR763152	CR763152	DKFZp470L
476	18	66.7	766	8	CC121153	CC121153	NDL.25D14
477	18	66.7	766	9	AG554133	AG554133	Mus muscu
c 478	18	66.7	776	5	BX601831	BX601831	BX601831
c 479	18	66.7	776	5	BX606291	BX606291	BX606291
480	18	66.7	782	8	BZ465572	BZ465572	BONCW73TF
481	18	66.7	783	7	CR368814	CR368814	CR368814
482	18	66.7	783	9	CG072433	CG072433	PUJDI32TB
483	18	66.7	795	9	CL403097	CL403097	ZMMBBb041
484	18	66.7	802	1	AL900168	AL900168	AL900168
c 485	18	66.7	809	9	CL612003	CL612003	OR_BBa000
486	18	66.7	817	9	CC923977	CC923977	t072h08ba
c 487	18	66.7	821	7	CN024720	CN024720	AGENCOURT
c 488	18	66.7	822	8	BH458670	BH458670	BOGBA16TF
c 489	18	66.7	823	7	CK239924	CK239924	AGENCOURT
490	18	66.7	823	7	CK706805	CK706805	ZF101-P00
491	18	66.7	835	7	CO932315	CO932315	AGENCOURT
c 492	18	66.7	837	7	CO984351	CO984351	GM89013A2
c 493	18	66.7	837	8	BZ252746	BZ252746	CH230-448
494	18	66.7	840	8	BZ976565	BZ976565	PUGGC53TD
495	18	66.7	845	7	CK457475	CK457475	921773 MA
c 496	18	66.7	846	7	CN023267	CN023267	AGENCOURT
c 497	18	66.7	849	8	BZ976563	BZ976563	PUGGC53TB
c 498	18	66.7	851	7	CN156972	CN156972	944415 MA
499	18	66.7	854	8	AQ750264	AQ750264	HS_5576_A
500	18	66.7	854	8	BZ983179	BZ983179	PUGGD47TB
c 501	18	66.7	858	4	BG541065	BG541065	602570229
c 502	18	66.7	858	5	BU745501	BU745501	CH1#010_C
c 503	18	66.7	862	7	CO924027	CO924027	AGENCOURT
c 504	18	66.7	865	9	CC562987	CC562987	CH240_474
505	18	66.7	877	7	CO579783	CO579783	ILLUMIGEN
c 506	18	66.7	878	7	CK396770	CK396770	AGENCOURT
507	18	66.7	880	8	BZ152607	BZ152607	CH230-441
508	18	66.7	883	9	CG153809	CG153809	PUFPB12TB
509	18	66.7	886	5	BX775866	BX775866	BX775866
c 510	18	66.7	889	2	BF783831	BF783831	602109754
c 511	18	66.7	891	3	CNS090AW	BX036468	Single re
c 512	18	66.7	891	4	BG496864	BG496864	602538874
c 513	18	66.7	895	7	CK459217	CK459217	923693 MA
c 514	18	66.7	899	8	AZ185049	AZ185049	SP_1004_A
515	18	66.7	899	8	CC142724	CC142724	NDL.18D15
c 516	18	66.7	900	4	BI149032	BI149032	602911342
c 517	18	66.7	901	9	AG427738	AG427738	Mus muscu
518	18	66.7	925	9	CNS03Y2B	AL265772	Tetraodon
519	18	66.7	925	9	CL407999	CL407999	ZMMBBb041
c 520	18	66.7	928	4	BG422739	BG422739	602447160
c 521	18	66.7	931	9	CNS06G9N	AL397425	T3 end of
522	18	66.7	937	5	BU905817	BU905817	AGENCOURT
c 523	18	66.7	957	6	CB208911	CB208911	AGENCOURT
c 524	18	66.7	957	8	AQ362994	AQ362994	nbxb0051G
c 525	18	66.7	960	4	BF978732	BF978732	602149236
526	18	66.7	970	8	AZ684428	AZ684428	ENTLE50TR
c 527	18	66.7	974	4	BI668130	BI668130	603295965
528	18	66.7	986	9	CNS02FPK	AL195329	Tetraodon
c 529	18	66.7	1000	5	BQ917355	BQ917355	AGENCOURT
530	17.8	65.9	215	1	AA620846	AA620846	af89g07.s
c 531	17.8	65.9	260	5	BX101272	BX101272	BX101272
c 532	17.8	65.9	261	4	BI040473	BI040473	RC4-NT025
c 533	17.8	65.9	378	7	CK518994	CK518994	rswea0_00
c 534	17.8	65.9	434	4	BM054963	BM054963	ie92a04.x
535	17.8	65.9	438	9	CL357814	CL357814	RPCI44_41

c 536	17.8	65.9	469	2	BE503676	BE503676	7a13b10.x
537	17.8	65.9	474	4	BI707582	BI707582	fs42h06.y
538	17.8	65.9	486	8	AQ877595	AQ877595	HS_2146_B
c 539	17.8	65.9	530	2	AW241987	AW241987	xn77f09.x
c 540	17.8	65.9	631	6	CA775255	CA775255	io86f11.x
c 541	17.8	65.9	656	4	BG535474	BG535474	602563156
542	17.8	65.9	658	2	BB621730	BB621730	
543	17.8	65.9	712	4	BG864943	BG864943	602799401
544	17.8	65.9	718	9	CE611307	CE611307	tigr-gss-
545	17.8	65.9	743	4	BG183539	BG183539	RST2443 A
c 546	17.8	65.9	788	9	CNS0125O	AL101142	Drosophil
c 547	17.8	65.9	859	4	BG538322	BG538322	602566794
548	17.8	65.9	869	8	BZ130529	BZ130529	CH230-298
c 549	17.8	65.9	875	5	BQ879967	BQ879967	AGENCOURT
c 550	17.8	65.9	924	5	BX398967	BX398967	BX398967
551	17.8	65.9	985	9	AG349615	AG349615	Mus muscu
c 552	17.8	65.9	993	9	CNS04WG4	AL310333	Tetraodon
c 553	17.6	65.2	125	1	AA182625	AA182625	zp56h05.s
554	17.6	65.2	132	6	CB187999	CB187999	ECDV004 E
c 555	17.6	65.2	136	9	CG641457	CG641457	OST376346
c 556	17.6	65.2	148	2	AW068775	AW068775	cn24g10.x
c 557	17.6	65.2	151	2	BF511458	BF511458	UI-H-BI4-
c 558	17.6	65.2	160	6	CA312530	CA312530	UI-CF-FN0
559	17.6	65.2	167	1	AA807814	AA807814	nu96e10.s
c 560	17.6	65.2	186	6	CA430857	CA430857	UI-H-FL1-
561	17.6	65.2	209	2	BB248530	BB248530	BB248530
c 562	17.6	65.2	212	2	AW188733	AW188733	xk87c12.x
563	17.6	65.2	213	9	CL399523	CL399523	ZMMBBb040
564	17.6	65.2	216	9	CE616251	CE616251	tigr-gss-
565	17.6	65.2	217	8	BH908591	BH908591	SALK_0490
566	17.6	65.2	231	8	BH909071	BH909071	SALK_0519
c 567	17.6	65.2	236	4	BM653556	BM653556	170006873
568	17.6	65.2	250	9	AL948676	AL948676	Arabidops
c 569	17.6	65.2	261	9	CL607151	CL607151	CH240_171
570	17.6	65.2	262	9	CE664585	CE664585	tigr-gss-
571	17.6	65.2	269	9	CL519330	CL519330	DAG1H11 F
572	17.6	65.2	276	6	CA632721	CA632721	wle1n.pk0
c 573	17.6	65.2	291	9	CE225752	CE225752	tigr-gss-
c 574	17.6	65.2	299	5	BP945566	BP945566	BP945566
c 575	17.6	65.2	300	1	AV176228	AV176228	AV176228
c 576	17.6	65.2	312	8	BH814558	BH814558	SALK_0666
577	17.6	65.2	313	2	BB367795	BB367795	BB367795
578	17.6	65.2	320	5	BY128762	BY128762	BY128762
c 579	17.6	65.2	322	2	BE025791	BE025791	db28c06.y
580	17.6	65.2	327	5	BU203260	BU203260	604155426
c 581	17.6	65.2	340	1	AA758665	AA758665	ah67d12.s
582	17.6	65.2	340	7	H69834	H69834	yr97g09.s1
583	17.6	65.2	351	7	CV038595	CV038595	4135787 B
c 584	17.6	65.2	352	9	CE520692	CE520692	tigr-gss-
c 585	17.6	65.2	357	7	CO191080	CO191080	EK050648.
c 586	17.6	65.2	357	8	B98839	B98839	CIT-HSP-228
c 587	17.6	65.2	367	1	AA177105	AA177105	nc02d10.s
c 588	17.6	65.2	373	8	BH848304	BH848304	SALK_0677
589	17.6	65.2	379	7	CN932442	CN932442	000429AFB
590	17.6	65.2	391	4	BG220639	BG220639	RST40426
c 591	17.6	65.2	392	5	BW514564	BW514564	BW514564
c 592	17.6	65.2	396	8	BZ629754	BZ629754	ih68c03.b
593	17.6	65.2	397	1	AI355987	AI355987	qy51g06.x
c 594	17.6	65.2	397	7	CO191084	CO191084	EK050652.
595	17.6	65.2	400	6	CB700154	CB700154	AMGNNUC:C
c 596	17.6	65.2	401	2	AW184002	AW184002	xj90e03.x
597	17.6	65.2	401	9	CC886812	CC886812	SALK_1490
c 598	17.6	65.2	407	8	BZ093725	BZ093725	CH230-233
c 599	17.6	65.2	415	5	BP948292	BP948292	BP948292
600	17.6	65.2	418	8	BH792688	BH792688	SALK_0648
c 601	17.6	65.2	420	9	CNS00SF9	AL088323	Arabidops
c 602	17.6	65.2	423	7	R09553	R09553	yf27f06.s1
c 603	17.6	65.2	425	9	AG024903	AG024903	Oryza sat
604	17.6	65.2	427	5	BY083804	BY083804	BY083804
605	17.6	65.2	427	9	CL376438	CL376438	RPCI44_44
606	17.6	65.2	433	1	AA430249	AA430249	zw65g02.r
607	17.6	65.2	435	1	AL700913	AL700913	DKFZp686N
c 608	17.6	65.2	436	1	AA921838	AA921838	om44b12.s
609	17.6	65.2	438	5	BY274270	BY274270	BY274270
610	17.6	65.2	439	7	H17822	H17822	ym35f12.s1
c 611	17.6	65.2	442	9	LBAF052E08	BX545621	Leishmani
612	17.6	65.2	445	7	R41582	R41582	yf88g06.s1
613	17.6	65.2	445	8	AQ050642	AQ050642	nbxb0004b
614	17.6	65.2	449	5	BY291051	BY291051	BY291051
615	17.6	65.2	460	1	AI094820	AI094820	qa22a02.x
c 616	17.6	65.2	460	6	CA956164	CA956164	TgESTzye2
617	17.6	65.2	461	2	BE574630	BE574630	SnEST4a03
c 618	17.6	65.2	463	8	BH757825	BH757825	SALK_0083
c 619	17.6	65.2	466	1	AI377665	AI377665	te57c08.x
c 620	17.6	65.2	468	4	BG789102	BG789102	SEAUMC009
c 621	17.6	65.2	475	1	AI375722	AI375722	ta64a09.x
c 622	17.6	65.2	478	6	CA960698	CA960698	TgESTzye1
c 623	17.6	65.2	481	5	BQ501797	BQ501797	EST11022
c 624	17.6	65.2	482	6	CA959474	CA959474	TgESTzye4
c 625	17.6	65.2	482	8	AQ914637	AQ914637	nbeb0049G
626	17.6	65.2	484	8	BH082522	BH082522	RPCI-24-2
627	17.6	65.2	485	5	BP535297	BP535297	BP535297
c 628	17.6	65.2	485	7	CF295406	CF295406	30DGS--05
c 629	17.6	65.2	489	1	AA493980	AA493980	nh07g02.s
c 630	17.6	65.2	490	6	CB536828	CB536828	771888 MA
c 631	17.6	65.2	490	8	BH124958	BH124958	RPCI-24-3
c 632	17.6	65.2	491	5	BW578765	BW578765	BW578765
c 633	17.6	65.2	496	1	AA525003	AA525003	nh32d03.s
634	17.6	65.2	496	9	CG824888	CG824888	SOYEJ66TH
c 635	17.6	65.2	500	4	BI279839	BI279839	UI-R-CU0s
636	17.6	65.2	501	6	CA166022	CA166022	SCUTRZ310
c 637	17.6	65.2	503	4	BG789306	BG789306	SEAUMC009
638	17.6	65.2	504	1	AJ517702	AJ517702	AJ517702
c 639	17.6	65.2	505	5	BW535528	BW535528	BW535528
c 640	17.6	65.2	508	9	CL337728	CL337728	RPCI44_26
c 641	17.6	65.2	511	1	AI671313	AI671313	wb15d06.x
c 642	17.6	65.2	512	6	CA963069	CA963069	TgESTzye6
643	17.6	65.2	514	1	AA105357	AA105357	mp37d11.r
644	17.6	65.2	518	7	CK907341	CK907341	rhzma0_00
645	17.6	65.2	519	8	AQ500471	AQ500471	V38E6 mTn
c 646	17.6	65.2	523	6	CA959340	CA959340	TgESTzye4
647	17.6	65.2	525	2	AW992979	AW992979	RC2-BN003
648	17.6	65.2	526	2	BF710727	BF710727	MI-P-AY1-
649	17.6	65.2	527	8	AZ641342	AZ641342	1M0503N16
c 650	17.6	65.2	527	8	AZ772289	AZ772289	1M0583L04
c 651	17.6	65.2	535	5	BW534854	BW534854	BW534854
652	17.6	65.2	539	7	CN578892	CN578892	Mdfw2038p
653	17.6	65.2	542	4	BM315913	BM315913	fw66f05.y
654	17.6	65.2	546	6	CA634014	CA634014	wle1n.pk0
c 655	17.6	65.2	550	2	BE091267	BE091267	PM2-BT072
c 656	17.6	65.2	550	6	CB072049	CB072049	TgESTzyf0
657	17.6	65.2	553	8	AQ958851	AQ958851	LEREF22TR
658	17.6	65.2	553	8	AZ892534	AZ892534	RPCI-24-1
c 659	17.6	65.2	555	4	BG789264	BG789264	SEAUMC009
c 660	17.6	65.2	560	2	BE091321	BE091321	PM2-BT072
c 661	17.6	65.2	560	8	AQ958849	AQ958849	LEREF21TF
662	17.6	65.2	561	2	BE091273	BE091273	PM2-BT072
c 663	17.6	65.2	564	5	BM984058	BM984058	UI-CF-DU1
c 664	17.6	65.2	564	9	CE214220	CE214220	tigr-gss-
c 665	17.6	65.2	565	8	BH472310	BH472310	BOGRB95TR
666	17.6	65.2	568	8	BH303904	BH303904	CH230-4B1
c 667	17.6	65.2	571	1	AA522790	AA522790	ni40b10.s
668	17.6	65.2	571	7	CF620231	CF620231	caa03f09.
c 669	17.6	65.2	572	5	BW573111	BW573111	BW573111
670	17.6	65.2	577	8	AQ559916	AQ559916	HS_5313_B
c 671	17.6	65.2	578	9	CL624850	CL624850	OR_BBa002
c 672	17.6	65.2	582	5	BP355790	BP355790	BP355790
c 673	17.6	65.2	583	4	BI799085	BI799085	H124f06 E
c 674	17.6	65.2	584	7	CF107998	CF107998	Shultzomi
c 675	17.6	65.2	586	4	BM722832	BM722832	UI-E-EJ0-
676	17.6	65.2	586	7	CF620310	CF620310	caa05b12.
c 677	17.6	65.2	587	4	BG426708	BG426708	602493253
c 678	17.6	65.2	587	5	BU726339	BU726339	UI-E-CI1-
679	17.6	65.2	596	6	CA989681	CA989681	EST643189
c 680	17.6	65.2	596	8	AQ524149	AQ524149	HS_5257_A
c 681	17.6	65.2	598	9	CE464773	CE464773	tigr-gss-

	682	17.6	65.2	599	9	CE763877	CE763877 tigr-gss-
	683	17.6	65.2	601	4	BM728551	BM728551 UI-E-EJ0-
c	684	17.6	65.2	601	8	BZ140210	BZ140210 CH230-512
	685	17.6	65.2	602	5	BU305529	BU305529 603739039
	686	17.6	65.2	605	8	BH782172	BH782172 fzmb011f0
	687	17.6	65.2	607	6	CA633813	CA633813 wle1n.pk0
c	688	17.6	65.2	611	9	CE553900	CE553900 tigr-gss-
	689	17.6	65.2	616	9	CG980070	CG980070 CH240_159
c	690	17.6	65.2	619	6	CA731026	CA731026 wip1c.pk0
	691	17.6	65.2	620	4	BJ023579	BJ023579 BJ023579
c	692	17.6	65.2	621	5	BX116764	BX116764 BX116764
	693	17.6	65.2	623	1	AL732137	AL732137 AL732137
	694	17.6	65.2	623	1	AV681959	AV681959 AV681959
	695	17.6	65.2	625	5	BU295339	BU295339 603732740
	696	17.6	65.2	625	6	CD012772	CD012772 VVC036E09
	697	17.6	65.2	625	9	CG798768	CG798768 ZMMBBb347
	698	17.6	65.2	627	4	BI919193	BI919193 603177702
	699	17.6	65.2	627	7	CN897069	CN897069 010630AAZ
	700	17.6	65.2	630	7	CV041865	CV041865 4139812 B
c	701	17.6	65.2	630	9	CE719186	CE719186 tigr-gss-
	702	17.6	65.2	632	5	BU740514	BU740514 UI-E-EJ0-
c	703	17.6	65.2	632	6	CB026469	CB026469 TgESTzyc8
	704	17.6	65.2	634	8	BH884806	BH884806 hw54c11.g
c	705	17.6	65.2	636	9	CL411078	CL411078 RPCI44_42
	706	17.6	65.2	639	2	AW810422	AW810422 MR4-ST012
	707	17.6	65.2	640	8	AZ352899	AZ352899 1M0091L05
c	708	17.6	65.2	643	4	BG849587	BG849587 1024025H0
	709	17.6	65.2	643	9	CE295787	CE295787 tigr-gss-
c	710	17.6	65.2	645	9	CE067340	CE067340 tigr-gss-
	711	17.6	65.2	645	9	CL353606	CL353606 RPCI44_40
	712	17.6	65.2	649	5	BU296296	BU296296 603609667
	713	17.6	65.2	652	4	BJ020374	BJ020374 BJ020374
c	714	17.6	65.2	656	6	CB089008	CB089008 if08f04.b
c	715	17.6	65.2	656	7	CF693454	CF693454 CCAH325TF
c	716	17.6	65.2	660	9	CR118197	CR118197 Forward s
	717	17.6	65.2	662	5	BW413231	BW413231 BW413231
	718	17.6	65.2	663	4	BM775640	BM775640 fy39f11.y
	719	17.6	65.2	669	8	BZ548310	BZ548310 OGALB92TM
c	720	17.6	65.2	670	5	BW288863	BW288863 BW288863
c	721	17.6	65.2	670	9	CL292139	CL292139 ZMMBBb064
	722	17.6	65.2	671	9	CNS04XBX	AL311478 Tetraodon
	723	17.6	65.2	672	9	CL580283	CL580283 OB__Ba004
	724	17.6	65.2	674	9	AG099730	AG099730 Pan trogl
	725	17.6	65.2	678	8	AZ976525	AZ976525 2M0252A03
c	726	17.6	65.2	679	9	CR345463	CR345463 Medicago
c	727	17.6	65.2	681	2	BE531238	BE531238 601231053
c	728	17.6	65.2	681	9	BX173220	BX173220 Danio rer
c	729	17.6	65.2	682	1	AJ816416	AJ816416 AJ816416
	730	17.6	65.2	686	9	AG063266	AG063266 Pan trogl
	731	17.6	65.2	687	9	CNS01VCD	AL168934 Tetraodon
	732	17.6	65.2	687	9	CE803170	CE803170 tigr-gss-
c	733	17.6	65.2	688	6	CB420057	CB420057 592972 MA
c	734	17.6	65.2	688	9	CR082989	CR082989 Reverse s
c	735	17.6	65.2	692	9	CL332720	CL332720 CH242_12M
	736	17.6	65.2	693	7	CN912454	CN912454 021217ABM
c	737	17.6	65.2	693	9	AG171509	AG171509 Pan trogl
c	738	17.6	65.2	694	5	BW052654	BW052654 BW052654
	739	17.6	65.2	698	5	BQ042252	BQ042252 UI-M-EQ0-
c	740	17.6	65.2	698	6	CB027225	CB027225 TgESTzyd9
	741	17.6	65.2	699	5	BW159405	BW159405 BW159405
c	742	17.6	65.2	700	8	BZ548304	BZ548304 OGALB92TC
	743	17.6	65.2	700	9	AG300590	AG300590 Mus muscu
c	744	17.6	65.2	700	9	CE564294	CE564294 tigr-gss-
	745	17.6	65.2	702	8	AZ972945	AZ972945 2M0247D03
c	746	17.6	65.2	703	7	CN414219	CN414219 170005829
	747	17.6	65.2	703	9	CE565173	CE565173 tigr-gss-
	748	17.6	65.2	705	5	BW023199	BW023199 BW023199
c	749	17.6	65.2	705	9	AG309558	AG309558 Mus muscu
c	750	17.6	65.2	709	9	AG311895	AG311895 Mus muscu
	751	17.6	65.2	712	7	CN911343	CN911343 021119ABM
c	752	17.6	65.2	713	6	CA507054	CA507054 UI-R-FS1-
	753	17.6	65.2	715	8	BZ631972	BZ631972 PUAAQ27TD
	754	17.6	65.2	724	5	BW500091	BW500091 BW500091
c	755	17.6	65.2	725	9	CR005480	CR005480 Reverse s
	756	17.6	65.2	728	9	AG508467	AG508467 Mus muscu
	757	17.6	65.2	728	9	CE728796	CE728796 tigr-gss-
c	758	17.6	65.2	729	8	BZ057701	BZ057701 lle02g12.
	759	17.6	65.2	730	5	BQ996248	BQ996248 QGG12E24.
	760	17.6	65.2	731	9	AG565373	AG565373 Mus muscu
c	761	17.6	65.2	732	1	AU068627	AU068627 AU068627
	762	17.6	65.2	732	5	BW419244	BW419244 BW419244
	763	17.6	65.2	733	9	AG099210	AG099210 Pan trogl
	764	17.6	65.2	733	9	AG508135	AG508135 Mus muscu
	765	17.6	65.2	734	9	AG468530	AG468530 Mus muscu
	766	17.6	65.2	734	9	AG487712	AG487712 Mus muscu
c	767	17.6	65.2	734	9	AG554806	AG554806 Mus muscu
	768	17.6	65.2	734	9	CE101533	CE101533 tigr-gss-
	769	17.6	65.2	735	5	BW156234	BW156234 BW156234
	770	17.6	65.2	735	9	CE461365	CE461365 tigr-gss-
	771	17.6	65.2	738	9	AG119855	AG119855 Pan trogl
	772	17.6	65.2	745	9	AG488559	AG488559 Mus muscu
	773	17.6	65.2	746	9	AG367074	AG367074 Mus muscu
c	774	17.6	65.2	746	9	AG573157	AG573157 Mus muscu
	775	17.6	65.2	747	9	AG537665	AG537665 Mus muscu
	776	17.6	65.2	748	9	CE521288	CE521288 tigr-gss-
c	777	17.6	65.2	753	1	AJ733602	AJ733602 AJ733602
	778	17.6	65.2	754	9	BX242349	BX242349 Danio rer
	779	17.6	65.2	755	9	AG353541	AG353541 Mus muscu
	780	17.6	65.2	759	9	AG415182	AG415182 Mus muscu
	781	17.6	65.2	760	9	AG418621	AG418621 Mus muscu
c	782	17.6	65.2	761	7	CF710696	CF710696 CCAD882TF
c	783	17.6	65.2	761	9	AG591224	AG591224 Mus muscu
c	784	17.6	65.2	762	4	BI911626	BI911626 603064374
	785	17.6	65.2	763	2	BE038236	BE038236 AA10G03 A
	786	17.6	65.2	763	9	AG445807	AG445807 Mus muscu
	787	17.6	65.2	764	9	AG456996	AG456996 Mus muscu
c	788	17.6	65.2	765	6	CD574084	CD574084 UCRPT01_0
	789	17.6	65.2	767	9	AG498879	AG498879 Mus muscu
	790	17.6	65.2	769	9	AG473454	AG473454 Mus muscu
	791	17.6	65.2	769	9	AG535288	AG535288 Mus muscu
	792	17.6	65.2	769	9	AG551029	AG551029 Mus muscu
c	793	17.6	65.2	770	4	BI862248	BI862248 603391284
	794	17.6	65.2	770	9	AG454124	AG454124 Mus muscu
	795	17.6	65.2	771	9	AG378500	AG378500 Mus muscu
c	796	17.6	65.2	771	9	CNS03ND6	AL251907 Tetraodon
c	797	17.6	65.2	772	8	AQ853547	AQ853547 nbxb0023N
	798	17.6	65.2	772	9	AG465717	AG465717 Mus muscu
	799	17.6	65.2	772	9	AG497689	AG497689 Mus muscu
c	800	17.6	65.2	773	8	BZ631970	BZ631970 PUAAQ27TB
	801	17.6	65.2	774	9	AG505886	AG505886 Mus muscu
	802	17.6	65.2	775	9	AG469125	AG469125 Mus muscu
c	803	17.6	65.2	778	7	CF675801	CF675801 CCADF82TF
c	804	17.6	65.2	778	7	CF693547	CF693547 CCAH554TF
c	805	17.6	65.2	778	8	BH089862	BH089862 RPCI-24-3
	806	17.6	65.2	778	9	CL036156	CL036156 CH216-41A
c	807	17.6	65.2	779	7	CO483313	CO483313 GQ0196.B3
	808	17.6	65.2	781	9	AG548745	AG548745 Mus muscu
c	809	17.6	65.2	782	4	BG788629	BG788629 SEAUMC008
	810	17.6	65.2	782	5	BU559123	BU559123 AGENCOURT
	811	17.6	65.2	783	5	BP142151	BP142151 BP142151
	812	17.6	65.2	783	9	AG405319	AG405319 Mus muscu
	813	17.6	65.2	784	7	CK653834	CK653834 AGENCOURT
	814	17.6	65.2	785	9	AG532285	AG532285 Mus muscu
c	815	17.6	65.2	785	9	AG594535	AG594535 Mus muscu
	816	17.6	65.2	788	7	CF254641	CF254641 mdvn118_g
	817	17.6	65.2	790	9	AG543119	AG543119 Mus muscu
	818	17.6	65.2	793	8	AQ863319	AQ863319 nbeb0020P
	819	17.6	65.2	793	9	AG348227	AG348227 Mus muscu
	820	17.6	65.2	794	9	AG458774	AG458774 Mus muscu
	821	17.6	65.2	794	9	AG498588	AG498588 Mus muscu
	822	17.6	65.2	796	9	AG109220	AG109220 Pan trogl
	823	17.6	65.2	796	9	CC517646	CC517646 CH240_363
	824	17.6	65.2	797	9	AG399195	AG399195 Mus muscu
	825	17.6	65.2	797	9	CG293996	CG293996 OGYCN93TH
	826	17.6	65.2	799	9	AG542797	AG542797 Mus muscu
	827	17.6	65.2	800	8	AZ208381	AZ208381 SP_0150_A

	828	17.6	65.2	800	9	AG551525	AG551525 Mus muscu
c	829	17.6	65.2	802	7	CF744202	CF744202 UI-M-GV0-
	830	17.6	65.2	803	9	AG390087	AG390087 Mus muscu
c	831	17.6	65.2	804	2	BE407324	BE407324 601301091
	832	17.6	65.2	804	9	AG495554	AG495554 Mus muscu
c	833	17.6	65.2	805	9	CC586350	CC586350 CH240_383
	834	17.6	65.2	806	9	CC826259	CC826259 ZMMBBb017
	835	17.6	65.2	806	9	CW536593	CW536593 OP__Ba003
	836	17.6	65.2	807	9	AG476955	AG476955 Mus muscu
	837	17.6	65.2	809	9	AG348212	AG348212 Mus muscu
	838	17.6	65.2	809	9	AG527877	AG527877 Mus muscu
c	839	17.6	65.2	810	7	CF715465	CF715465 CCAEL13TO
	840	17.6	65.2	811	9	AG476109	AG476109 Mus muscu
	841	17.6	65.2	812	9	AG544766	AG544766 Mus muscu
c	842	17.6	65.2	812	9	CL794434	CL794434 OR_CBa000
	843	17.6	65.2	815	6	CB942871	CB942871 AGENCOURT
c	844	17.6	65.2	823	9	BX991353	BX991353 Forward s
	845	17.6	65.2	824	8	BZ647548	BZ647548 OGANN36TC
	846	17.6	65.2	824	9	CNS0448G	AL273769 Tetraodon
c	847	17.6	65.2	826	6	CD494554	CD494554 CDA11-D12
	848	17.6	65.2	827	9	AG480041	AG480041 Mus muscu
c	849	17.6	65.2	828	4	BG619471	BG619471 602618839
	850	17.6	65.2	828	9	AG459528	AG459528 Mus muscu
c	851	17.6	65.2	830	7	CF689399	CF689399 CCAAQ02TF
c	852	17.6	65.2	830	9	CR815287	CR815287 GR0AAA4CC
	853	17.6	65.2	831	5	BU424485	BU424485 603962463
	854	17.6	65.2	831	9	AG475220	AG475220 Mus muscu
	855	17.6	65.2	831	9	AG532919	AG532919 Mus muscu
	856	17.6	65.2	832	7	CV501693	CV501693 66221.1 M
	857	17.6	65.2	833	7	CK399042	CK399042 AGENCOURT
c	858	17.6	65.2	833	8	BZ703588	BZ703588 PUCDI84TD
	859	17.6	65.2	834	9	AG552451	AG552451 Mus muscu
	860	17.6	65.2	835	9	AG496500	AG496500 Mus muscu
	861	17.6	65.2	837	9	CC903371	CC903371 t006p12ba
	862	17.6	65.2	845	9	AG461630	AG461630 Mus muscu
	863	17.6	65.2	845	9	AG551911	AG551911 Mus muscu
	864	17.6	65.2	846	7	CF675805	CF675805 CCADF82TR
c	865	17.6	65.2	846	7	CF686180	CF686180 CCAA493TF
	866	17.6	65.2	848	9	CG107965	CG107965 PUKEF87TB
c	867	17.6	65.2	855	7	CF715509	CF715509 CCAEO14TO
	868	17.6	65.2	855	8	AZ206143	AZ206143 SP_0104_B
	869	17.6	65.2	855	8	BZ404144	BZ404144 OGABQ31TC
c	870	17.6	65.2	856	7	CF687134	CF687134 CCABT23TF
	871	17.6	65.2	856	9	AG459898	AG459898 Mus muscu
	872	17.6	65.2	856	9	AG542703	AG542703 Mus muscu
	873	17.6	65.2	857	9	AG513138	AG513138 Mus muscu
c	874	17.6	65.2	858	4	BG478995	BG478995 602525766
c	875	17.6	65.2	859	9	CC537695	CC537695 CH240_417
	876	17.6	65.2	861	9	AG375914	AG375914 Mus muscu
	877	17.6	65.2	863	9	AG504804	AG504804 Mus muscu
	878	17.6	65.2	870	9	AG549987	AG549987 Mus muscu
c	879	17.6	65.2	871	8	AZ186623	AZ186623 SP_1007_B
	880	17.6	65.2	871	9	AG474679	AG474679 Mus muscu
c	881	17.6	65.2	873	4	BM048658	BM048658 603628254
c	882	17.6	65.2	874	9	CL836549	CL836549 OR_CBa006
	883	17.6	65.2	878	8	CC000984	CC000984 PUDDA61TD
c	884	17.6	65.2	878	9	CG680777	CG680777 83L14_34T
	885	17.6	65.2	878	9	CL502544	CL502544 SAIL_713_
	886	17.6	65.2	879	5	BU405607	BU405607 603484487
	887	17.6	65.2	880	9	CNS02QNX	AL209526 Tetraodon
c	888	17.6	65.2	884	9	CL778070	CL778070 OR_BBa009
	889	17.6	65.2	885	9	AG497399	AG497399 Mus muscu
c	890	17.6	65.2	886	8	AZ543307	AZ543307 ENTDQ80TR
	891	17.6	65.2	887	8	BZ982616	BZ982616 PUGFU57TD
c	892	17.6	65.2	887	9	AG037557	AG037557 Pan trogl
c	893	17.6	65.2	890	2	BF107116	BF107116 601823678
	894	17.6	65.2	891	2	BF666497	BF666497 602123949
	895	17.6	65.2	891	9	AG468706	AG468706 Mus muscu
c	896	17.6	65.2	895	9	AG081370	AG081370 Pan trogl
c	897	17.6	65.2	897	9	CG356410	CG356410 OGZBA54TV
c	898	17.6	65.2	900	4	BG742427	BG742427 602635342
	899	17.6	65.2	901	5	BQ711887	BQ711887 AGENCOURT
c	900	17.6	65.2	903	9	CR103731	CR103731 Forward s
	901	17.6	65.2	903	9	CC618774	CC618774 OGNAD82TH
c	902	17.6	65.2	904	8	BZ488146	BZ488146 BONHA72TF
	903	17.6	65.2	911	4	BM542295	BM542295 AGENCOURT
	904	17.6	65.2	911	9	CL418260	CL418260 ZMMBBb042
	905	17.6	65.2	916	9	AG495572	AG495572 Mus muscu
	906	17.6	65.2	920	9	AG450554	AG450554 Mus muscu
	907	17.6	65.2	924	9	CNS04BKU	AL283287 Tetraodon
	908	17.6	65.2	932	5	BQ642838	BQ642838 AGENCOURT
	909	17.6	65.2	933	5	BU254430	BU254430 603412830
	910	17.6	65.2	934	9	AG526430	AG526430 Mus muscu
c	911	17.6	65.2	947	8	AZ195490	AZ195490 SP_1030_A
	912	17.6	65.2	952	5	BQ060013	BQ060013 AGENCOURT
c	913	17.6	65.2	956	9	CNS04MB2	AL297191 Tetraodon
	914	17.6	65.2	958	7	CK424729	CK424729 AUF_IpSto
	915	17.6	65.2	960	9	CNS01EQG	AL140873 Anopheles
	916	17.6	65.2	964	8	AZ167185	AZ167185 SP_0094_B
	917	17.6	65.2	965	9	CNS037TY	AL231775 Tetraodon
c	918	17.6	65.2	976	4	BG391930	BG391930 602409865
	919	17.6	65.2	976	5	BU128429	BU128429 603115473
c	920	17.6	65.2	979	2	BF035653	BF035653 601458622
	921	17.6	65.2	981	9	CC845383	CC845383 NDL.109J4
c	922	17.6	65.2	982	9	CL059609	CL059609 CH216-90F
	923	17.6	65.2	983	9	CC608349	CC608349 OGPAO52TV
c	924	17.6	65.2	984	9	CG391606	CG391606 ZMMBBc057
c	925	17.6	65.2	992	8	CC237799	CC237799 CH261-66I
	926	17.6	65.2	993	9	CL078624	CL078624 CH216-151
	927	17.4	64.4	158	6	CD017914	CD017914 NXCI_148_
	928	17.4	64.4	220	8	AZ291064	AZ291064 RPCI-23-1
c	929	17.4	64.4	222	2	BB589313	BB589313 BB589313
c	930	17.4	64.4	226	9	CR002344	CR002344 Forward s
	931	17.4	64.4	244	6	CD029807	CD029807 mgmk014xK
	932	17.4	64.4	255	7	CF853905	CF853905 psMC010xB
c	933	17.4	64.4	259	8	AZ851936	AZ851936 2M0154I23
	934	17.4	64.4	260	7	CF851847	CF851847 psMC002xF
	935	17.4	64.4	280	2	BB581520	BB581520 BB581520
	936	17.4	64.4	305	9	BX001511	BX001511 Arabidops
	937	17.4	64.4	313	8	CC462627	CC462627 ZMMBBc035
	938	17.4	64.4	319	7	CF853343	CF853343 psMC008xH
	939	17.4	64.4	323	7	CF860597	CF860597 psZG010xE
c	940	17.4	64.4	324	7	CV084902	CV084902 Mdfrt3076
c	941	17.4	64.4	324	7	CV086077	CV086077 Mdfrt3080
	942	17.4	64.4	326	7	CF853300	CF853300 psMC008xF
	943	17.4	64.4	327	7	CR475111	CR475111 CR475111
c	944	17.4	64.4	329	7	R99015	R99015 yq68f06.s1
c	945	17.4	64.4	333	7	H72885	H72885 ys07c02.s1
c	946	17.4	64.4	339	6	CD591527	CD591527 RK064A1E0
	947	17.4	64.4	343	7	CF852646	CF852646 psMC006xC
c	948	17.4	64.4	346	7	CF760356	CF760356 DSAF1_59_
	949	17.4	64.4	362	1	AV101003	AV101003 AV101003
c	950	17.4	64.4	363	1	AA720852	AA720852 nw12e07.s
c	951	17.4	64.4	364	4	BM582550	BM582550 170006872
	952	17.4	64.4	367	7	D19228	D19228 MUSGS00570
c	953	17.4	64.4	369	1	AI592570	AI592570 ms95c09.y
	954	17.4	64.4	369	8	AZ275796	AZ275796 RPCI-23-1
c	955	17.4	64.4	376	5	BX917789	BX917789 BX917789
c	956	17.4	64.4	378	1	AI823248	AI823248 L30-1133T
	957	17.4	64.4	378	4	BI277415	BI277415 UI-R-CY0-
c	958	17.4	64.4	379	4	BJ691072	BJ691072 BJ691072
c	959	17.4	64.4	380	8	BZ390738	BZ390738 EINDK51TF
	960	17.4	64.4	382	7	CF852885	CF852885 psMC006xP
	961	17.4	64.4	382	7	CF860417	CF860417 psZG009xL
	962	17.4	64.4	384	1	AI704852	AI704852 UI-R-AC0-
	963	17.4	64.4	390	8	AZ715477	AZ715477 RPCI-24-1
	964	17.4	64.4	391	9	AG258895	AG258895 Lotus cor
	965	17.4	64.4	394	5	BW514152	BW514152 BW514152
	966	17.4	64.4	400	1	AL364526	AL364526 AL364526
c	967	17.4	64.4	402	8	AQ206957	AQ206957 HS_3238_B
c	968	17.4	64.4	405	1	AI100879	AI100879 EST210168
c	969	17.4	64.4	407	4	BJ672653	BJ672653 BJ672653
c	970	17.4	64.4	409	5	BU968127	BU968127 HB06I03r
c	971	17.4	64.4	413	9	CC947204	CC947204 BOICL25TR
	972	17.4	64.4	414	5	BQ200008	BQ200008 UI-R-DQ1-
	973	17.4	64.4	418	8	BH721789	BH721789 BOMKY52TF

c 974	17.4	64.4	423	1	AV931979	AV931979 AV931979
c 975	17.4	64.4	424	7	CO943754	CO943754 UMC-p2mm4
976	17.4	64.4	426	1	AA866308	AA866308 UI-R-A0-a
977	17.4	64.4	426	2	BE098535	BE098535 UI-R-BJ1-
978	17.4	64.4	430	8	BZ857629	BZ857629 CH240_256
979	17.4	64.4	435	7	CF858746	CF858746 psZG001xO
c 980	17.4	64.4	438	8	AY127190	AY127190 AY127190
c 981	17.4	64.4	439	1	AA172358	AA172358 ms95c09.r
c 982	17.4	64.4	439	8	AQ476803	AQ476803 CITBI-E1-
983	17.4	64.4	443	4	BM413586	BM413586 EST587913
c 984	17.4	64.4	443	4	BM636053	BM636053 170006875
c 985	17.4	64.4	448	2	BF662584	BF662584 maa80c07.
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c 987	17.4	64.4	448	8	AQ336948	AQ336948 HS_5019_B
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c 991	17.4	64.4	453	2	BB779872	BB779872 BB779872
c 992	17.4	64.4	459	2	AW987547	AW987547 uf25h10.x
993	17.4	64.4	461	6	CA851857	CA851857 D18C11_F2
994	17.4	64.4	461	7	CF854497	CF854497 psMC012xB
995	17.4	64.4	463	7	CF860692	CF860692 psZG010xI
996	17.4	64.4	463	8	AQ243265	AQ243265 HS_2064_A
997	17.4	64.4	466	1	AI449159	AI449159 ms95c09.x
c 998	17.4	64.4	466	4	BG607804	BG607804 WHE2487_F
c 999	17.4	64.4	466	8	AQ452387	AQ452387 HS_5151_A
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ALIGNMENTS

RESULT 1
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LOCUS CL678320 745 bp DNA linear GSS 09-JUL-2004
DEFINITION PRI0122c_F04_2 - PRI0122c.BR (745) Mixed stage fosmid library of P. pacificus var. California Pristionchus pacificus genomic, genomic survey sequence.
ACCESSION CL678320
VERSION CL678320.1 GI:50184583
KEYWORDS GSS.
SOURCE Pristionchus pacificus
ORGANISM Pristionchus pacificus
Eukaryota; Metazoa; Nematoda; Chromadorea; Diplogasterida; Neodiplogasteridae; Pristionchus.
REFERENCE 1 (bases 1 to 745)
AUTHORS Srinivasan,J., Otto,G.W., Kahlow,U., Geisler,R. and Sommer,R.J.
TITLE AppaDB: an AcedB database for the nematode satellite organism Pristionchus pacificus
JOURNAL Nucleic Acids Res. 32 (1), D421-D422 (2004)
COMMENT Contact: Sommer RJ
Evolutionary Biology
Max-Planck-Institute for Developmental Biology
Spemannstr. 37-39, Tuebingen D-72076, Germany
Tel: 00497071601371
Fax: 00497071601498
Email: ralf.sommer@tuebingen.mpg.de
This library was generated at Caltech, Pasadena, USA and end sequenced at Vancouver, Canada.
Seq primer: T7
Class: fosmid ends.
FEATURES Location/Qualifiers
source 1. .745
/organism="Pristionchus pacificus"
/mol_type="genomic DNA"
/strain="California"
/db_xref="taxon:54126"
/clone_lib="Mixed stage fosmid library of P. pacificus var. California"
/note="Vector: pEpifos-5 Fosmid vector"
ORIGIN

Query Match 100.0%; Score 27; DB 9; Length 745;
Best Local Similarity 100.0%; Pred. No. 1.4;
Matches 27; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 ATTTTACCTCTTGTCTTCCCGTCTTGG 27
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Db        367 ATTTTACCTCTTGTCTTCCCGTCTTGG 393
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RESULT 2
BI729062/c
LOCUS BI729062 484 bp mRNA linear EST 19-SEP-2001
DEFINITION 1031103B11.x1 C. reinhardtii CC-1690, Stress II (normalized), Lambda Zap II Chlamydomonas reinhardtii cDNA, mRNA sequence.
ACCESSION BI729062
VERSION BI729062.1 GI:15704757
KEYWORDS EST.
SOURCE Chlamydomonas reinhardtii
ORGANISM Chlamydomonas reinhardtii
Eukaryota; Viridiplantae; Chlorophyta; Chlorophyceae; Volvocales; Chlamydomonadaceae; Chlamydomonas.
REFERENCE 1 (bases 1 to 484)
AUTHORS Grossman,A., Chang,C.-W., Davies,J., Harris,E., Hauser,C., Lefebvre,P., McDermott,J.P., Shrager,J., Silflow,C. and Stern,D.
TITLE Analyses of the Chlamydomonas reinhardtii Genome: A Model, Unicellular System for Analyzing Gene Function and Regulation in Vascular Plants. Project: 1031
JOURNAL Unpublished (2001)
COMMENT Contact: Charles Hauser
DCMB Box 91000
Duke University
Durham, NC 27708-1000
Tel: 919 613 8159
Fax: 919 613 8177
Email: chauser@duke.edu.
FEATURES Location/Qualifiers
source 1. .484
/organism="Chlamydomonas reinhardtii"
/mol_type="mRNA"
/strain="CC-1690 wild type mt+ 21gr"
/db_xref="taxon:3055"
/clone_lib="C. reinhardtii CC-1690, Stress II (normalized), Lambda Zap II"
/note="Vector: pBluescript II SK-; Site_1: EcoRI; Site_2: XhoI; Stress condition II library, constructed by John Davies and Jeffrey McDermott, combines cDNAs from CC-1690 cells grown to mid-log phase in TAP (NH4+ - containing) and shifted to TAP - NO3- (24hrs); H2 production conditions (0, 12hr, 24hr) see Melis et al.,(2000) Plant Phys. 122: 127-135; TAP + H2O2 (1, 12, 24 hr); TAP + sorbitol (1, 2, 6, 24 hr); TAP + Cd (1, 2, 6, 24 hr). PolyA mRNA was purified from each sample, pooled and cDNA synthesized. The cDNA was directionally cloned into lambda Zap II (Stratagene) in the EcoRI (5') and XhoRI (3') sites. pBluescript II SK- plasmids were excised from the lambda ZAP clones by superinfection with ExAssist (Stratagene) phage. The library was normalized using method 4 described in Bonaldo et al., (1996) Genome Research 6: 791-806."
ORIGIN

Query Match 77.0%; Score 20.8; DB 4; Length 484;
Best Local Similarity 91.7%; Pred. No. 4.8e+02;
Matches 22; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy          1 ATTTTACCTCTTGTCTTCCCGTCT 24
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Db        227 ATTTTACCTCTTTTCTTCACGTCT 204
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RESULT 3
BQ821466/c
LOCUS BQ821466 502 bp mRNA linear EST 01-AUG-2002
DEFINITION 1030092E06.x1 C. reinhardtii CC-1690, Deflagellation (normalized),

OM nucleic - nucleic search, using sw model

Run on: April 16, 2005, 01:19:30 ; Search time 64.8505 Seconds
(without alignments)
681.251 Million cell updates/sec

Title: US-10-025-137B-7
Perfect score: 27
Sequence: 1 attttacctcttgtcttcccgtcttgg 27

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2198208

Minimum DB seq length: 0
Maximum DB seq length: 1000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database : Issued_Patents_NA:*
1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*
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6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
c	1	18.4	68.1	405	4	US-09-489-039A-4421	Sequence 4421, Ap
c	2	18	66.7	601	4	US-09-949-016-71161	Sequence 71161, A
c	3	18	66.7	601	4	US-09-949-016-164980	Sequence 164980,
c	4	17.8	65.9	240	4	US-09-513-999C-31139	Sequence 31139, A
c	5	17.6	65.2	558	3	US-08-930-285-17	Sequence 17, Appl
	6	17.6	65.2	601	4	US-09-949-016-37361	Sequence 37361, A
c	7	17.6	65.2	601	4	US-09-949-016-83346	Sequence 83346, A
	8	17.6	65.2	601	4	US-09-949-016-144361	Sequence 144361,
c	9	17.6	65.2	601	4	US-09-949-016-150418	Sequence 150418,
c	10	17.6	65.2	601	4	US-09-949-016-150419	Sequence 150419,
c	11	17.6	65.2	601	4	US-09-949-016-150420	Sequence 150420,
c	12	17.6	65.2	601	4	US-09-949-016-196664	Sequence 196664,
	13	17.2	63.7	600	3	US-08-998-416-228	Sequence 228, App
c	14	17.2	63.7	601	4	US-09-949-016-43117	Sequence 43117, A
c	15	17.2	63.7	601	4	US-09-949-016-167245	Sequence 167245,
c	16	17.2	63.7	680	3	US-08-861-774E-37	Sequence 37, Appl
	17	17	63.0	232	4	US-09-513-999C-18877	Sequence 18877, A
c	18	17	63.0	396	1	US-08-686-878A-11	Sequence 11, Appl
	19	17	63.0	492	4	US-09-741-238-16	Sequence 16, Appl
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	21	17	63.0	529	1	US-08-449-315-15	Sequence 15, Appl
	22	17	63.0	529	1	US-08-444-803-15	Sequence 15, Appl
	23	17	63.0	529	1	US-08-449-043-15	Sequence 15, Appl
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	27	17	63.0	529	1	US-08-454-876-15	Sequence 15, Appl
	28	17	63.0	529	2	US-08-457-364-15	Sequence 15, Appl
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	31	17	63.0	529	2	US-08-455-736-15	Sequence 15, Appl
	32	17	63.0	529	2	US-08-971-217-18	Sequence 18, Appl
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	36	17	63.0	560	1	US-08-181-271A-19	Sequence 19, Appl
	37	17	63.0	560	1	US-08-449-315-16	Sequence 16, Appl
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	80	16.6	61.5	607	1	US-08-456-265A-19	Sequence 19, Appl
	81	16.6	61.5	607	2	US-08-971-217-19	Sequence 19, Appl
	82	16.6	61.5	607	3	US-09-350-600-19	Sequence 19, Appl
	83	16.6	61.5	607	4	US-09-906-234-19	Sequence 19, Appl
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	87	16.4	60.7	465	4	US-09-248-796A-3095	Sequence 3095, Ap
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c	95	16.4	60.7	601	4	US-09-949-016-141588	Sequence 141588,
c	96	16.4	60.7	601	4	US-09-949-016-148699	Sequence 148699,
	97	16.4	60.7	601	4	US-09-949-016-156765	Sequence 156765,
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	99	16.4	60.7	722	3	US-09-004-838-63	Sequence 63, Appl
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c	111	16	59.3	412	4	US-09-513-999C-293	Sequence 293, App
	112	16	59.3	444	3	US-09-018-584A-19	Sequence 19, Appl
	113	16	59.3	444	4	US-09-784-423-19	Sequence 19, Appl
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	116	16	59.3	531	3	US-08-991-789A-220	Sequence 220, App
	117	16	59.3	531	3	US-09-062-451-220	Sequence 220, App
	118	16	59.3	531	3	US-09-598-326-220	Sequence 220, App
	119	16	59.3	531	4	US-09-289-198-220	Sequence 220, App
	120	16	59.3	531	4	US-09-429-755-220	Sequence 220, App
	121	16	59.3	531	4	US-09-699-295-220	Sequence 220, App
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c	123	16	59.3	549	4	US-09-489-039A-1130	Sequence 1130, Ap
	124	16	59.3	558	4	US-09-489-039A-1011	Sequence 1011, Ap
	125	16	59.3	601	4	US-09-949-016-36869	Sequence 36869, A
	126	16	59.3	601	4	US-09-949-016-44406	Sequence 44406, A
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	128	16	59.3	601	4	US-09-949-016-55255	Sequence 55255, A
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	130	16	59.3	601	4	US-09-949-016-57819	Sequence 57819, A
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	133	16	59.3	601	4	US-09-949-016-78261	Sequence 78261, A
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	136	16	59.3	601	4	US-09-949-016-117618	Sequence 117618,
	137	16	59.3	601	4	US-09-949-016-132389	Sequence 132389,
	138	16	59.3	601	4	US-09-949-016-132390	Sequence 132390,
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c	142	16	59.3	601	4	US-09-949-016-145356	Sequence 145356,
c	143	16	59.3	601	4	US-09-949-016-145357	Sequence 145357,
c	144	16	59.3	601	4	US-09-949-016-145554	Sequence 145554,
c	145	16	59.3	601	4	US-09-949-016-151151	Sequence 151151,
	146	16	59.3	601	4	US-09-949-016-152929	Sequence 152929,
c	147	16	59.3	601	4	US-09-949-016-160171	Sequence 160171,
c	148	16	59.3	601	4	US-09-949-016-163044	Sequence 163044,
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	151	16	59.3	601	4	US-09-949-016-173718	Sequence 173718,
	152	16	59.3	601	4	US-09-949-016-173765	Sequence 173765,
c	153	16	59.3	601	4	US-09-949-016-180629	Sequence 180629,
	154	16	59.3	601	4	US-09-949-016-200080	Sequence 200080,
	155	16	59.3	609	4	US-09-489-039A-1177	Sequence 1177, Ap
	156	16	59.3	699	4	US-09-543-681A-981	Sequence 981, App
	157	16	59.3	711	4	US-09-270-767-9609	Sequence 9609, Ap
	158	16	59.3	711	4	US-09-270-767-24891	Sequence 24891, A
c	159	16	59.3	726	4	US-09-248-796A-5380	Sequence 5380, Ap
c	160	16	59.3	797	4	US-09-270-767-26399	Sequence 26399, A
	161	16	59.3	891	4	US-09-543-681A-3599	Sequence 3599, Ap
	162	16	59.3	925	4	US-09-270-767-10085	Sequence 10085, A
	163	15.8	58.5	224	4	US-09-513-999C-32307	Sequence 32307, A
	164	15.8	58.5	309	4	US-09-621-976-10653	Sequence 10653, A
c	165	15.8	58.5	318	4	US-09-107-532A-3017	Sequence 3017, Ap
c	166	15.8	58.5	325	4	US-09-621-976-18177	Sequence 18177, A
	167	15.8	58.5	413	3	US-09-439-313-407	Sequence 407, App
	168	15.8	58.5	413	3	US-09-352-616A-407	Sequence 407, App
	169	15.8	58.5	413	4	US-09-636-215-407	Sequence 407, App
	170	15.8	58.5	413	4	US-09-685-166A-407	Sequence 407, App
	171	15.8	58.5	413	4	US-09-679-426-407	Sequence 407, App
	172	15.8	58.5	413	4	US-09-759-143-407	Sequence 407, App
	173	15.8	58.5	413	4	US-09-651-236-407	Sequence 407, App
	174	15.8	58.5	438	4	US-09-513-999C-30602	Sequence 30602, A
c	175	15.8	58.5	441	4	US-09-621-976-17809	Sequence 17809, A
c	176	15.8	58.5	450	4	US-09-621-976-3456	Sequence 3456, Ap
c	177	15.8	58.5	480	4	US-09-248-796A-7528	Sequence 7528, Ap
c	178	15.8	58.5	495	4	US-09-621-976-1093	Sequence 1093, Ap
c	179	15.8	58.5	510	4	US-09-248-796A-7826	Sequence 7826, Ap
	180	15.8	58.5	513	4	US-09-134-000C-759	Sequence 759, App
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	182	15.8	58.5	565	4	US-09-636-215-591	Sequence 591, App
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	185	15.8	58.5	565	4	US-09-759-143-591	Sequence 591, App
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c	190	15.8	58.5	601	4	US-09-949-016-32581	Sequence 32581, A
c	191	15.8	58.5	601	4	US-09-949-016-38759	Sequence 38759, A
	192	15.8	58.5	601	4	US-09-949-016-46464	Sequence 46464, A
	193	15.8	58.5	601	4	US-09-949-016-47748	Sequence 47748, A
c	194	15.8	58.5	601	4	US-09-949-016-59960	Sequence 59960, A
	195	15.8	58.5	601	4	US-09-949-016-70082	Sequence 70082, A
	196	15.8	58.5	601	4	US-09-949-016-84842	Sequence 84842, A
	197	15.8	58.5	601	4	US-09-949-016-86337	Sequence 86337, A
c	198	15.8	58.5	601	4	US-09-949-016-88696	Sequence 88696, A
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	202	15.8	58.5	601	4	US-09-949-016-96997	Sequence 96997, A
	203	15.8	58.5	601	4	US-09-949-016-97263	Sequence 97263, A
	204	15.8	58.5	601	4	US-09-949-016-97529	Sequence 97529, A
	205	15.8	58.5	601	4	US-09-949-016-97795	Sequence 97795, A
	206	15.8	58.5	601	4	US-09-949-016-98061	Sequence 98061, A
	207	15.8	58.5	601	4	US-09-949-016-98327	Sequence 98327, A
	208	15.8	58.5	601	4	US-09-949-016-98593	Sequence 98593, A
	209	15.8	58.5	601	4	US-09-949-016-98859	Sequence 98859, A
	210	15.8	58.5	601	4	US-09-949-016-99125	Sequence 99125, A
	211	15.8	58.5	601	4	US-09-949-016-99391	Sequence 99391, A
	212	15.8	58.5	601	4	US-09-949-016-99657	Sequence 99657, A
	213	15.8	58.5	601	4	US-09-949-016-99923	Sequence 99923, A
	214	15.8	58.5	601	4	US-09-949-016-100189	Sequence 100189,
	215	15.8	58.5	601	4	US-09-949-016-100455	Sequence 100455,
	216	15.8	58.5	601	4	US-09-949-016-100721	Sequence 100721,
	217	15.8	58.5	601	4	US-09-949-016-101025	Sequence 101025,
	218	15.8	58.5	601	4	US-09-949-016-101291	Sequence 101291,
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c	226	15.8	58.5	601	4	US-09-949-016-142988	Sequence 142988,
c	227	15.8	58.5	601	4	US-09-949-016-142989	Sequence 142989,
c	228	15.8	58.5	601	4	US-09-949-016-143749	Sequence 143749,
	229	15.8	58.5	601	4	US-09-949-016-153256	Sequence 153256,
c	230	15.8	58.5	601	4	US-09-949-016-155390	Sequence 155390,
c	231	15.8	58.5	601	4	US-09-949-016-155391	Sequence 155391,
c	232	15.8	58.5	601	4	US-09-949-016-206608	Sequence 206608,
c	233	15.8	58.5	609	4	US-09-868-352-24	Sequence 24, Appl
c	234	15.8	58.5	625	4	US-09-621-976-1091	Sequence 1091, Ap
c	235	15.8	58.5	762	4	US-09-583-110-785	Sequence 785, App
	236	15.8	58.5	795	4	US-09-543-681A-3104	Sequence 3104, Ap
	237	15.8	58.5	817	3	US-09-325-932A-105	Sequence 105, App
c	238	15.6	57.8	333	2	US-08-692-787-23	Sequence 23, Appl
c	239	15.6	57.8	333	3	US-09-097-199-23	Sequence 23, Appl
	240	15.6	57.8	455	4	US-09-513-999C-8633	Sequence 8633, Ap
	241	15.6	57.8	601	4	US-09-949-016-32915	Sequence 32915, A
	242	15.6	57.8	601	4	US-09-949-016-39975	Sequence 39975, A
	243	15.6	57.8	601	4	US-09-949-016-54517	Sequence 54517, A
c	244	15.6	57.8	601	4	US-09-949-016-168323	Sequence 168323,
	245	15.6	57.8	601	4	US-09-949-016-176791	Sequence 176791,
	246	15.6	57.8	601	4	US-09-949-016-185563	Sequence 185563,

GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: April 16, 2005, 01:37:07 ; Search time 263.944 Seconds
(without alignments)
620.591 Million cell updates/sec

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Perfect score: 27
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 5622541 seqs, 3033355566 residues

Total number of hits satisfying chosen parameters: 9857118

Minimum DB seq length: 0
Maximum DB seq length: 1000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	% Query Match	Length	DB	ID	Description
1	27	100.0	27	15	US-10-025-137-7	Sequence 7, Appli
2	19.6	72.6	676	17	US-10-425-114-31270	Sequence 31270, A
3	19.6	72.6	676	18	US-10-425-115-134950	Sequence 134950,
4	19.6	72.6	722	9	US-09-966-881-8	Sequence 8, Appli
5	19.6	72.6	730	17	US-10-425-114-5874	Sequence 5874, Ap
6	19	70.4	368	17	US-10-242-535A-40004	Sequence 40004, A
7	19	70.4	368	17	US-10-085-783A-40004	Sequence 40004, A
8	18.6	68.9	482	13	US-10-027-632-188723	Sequence 188723,
9	18.6	68.9	482	13	US-10-027-632-188724	Sequence 188724,
10	18.6	68.9	482	17	US-10-027-632-188723	Sequence 188723,
11	18.6	68.9	482	17	US-10-027-632-188724	Sequence 188724,
c 12	18.2	67.4	341	18	US-10-357-930-60193	Sequence 60193, A
13	18.2	67.4	887	18	US-10-767-795-4218	Sequence 4218, Ap
14	18.2	67.4	926	13	US-10-027-632-28721	Sequence 28721, A
15	18.2	67.4	926	17	US-10-027-632-28721	Sequence 28721, A
16	18	66.7	201	18	US-10-719-993-11243	Sequence 11243, A
17	18	66.7	201	18	US-10-719-993-11298	Sequence 11298, A
18	18	66.7	509	17	US-10-425-114-23186	Sequence 23186, A
19	18	66.7	538	18	US-10-425-115-61331	Sequence 61331, A
c 20	18	66.7	611	13	US-10-027-632-201730	Sequence 201730,
c 21	18	66.7	611	17	US-10-027-632-201730	Sequence 201730,
c 22	18	66.7	618	17	US-10-242-535A-46439	Sequence 46439, A
c 23	18	66.7	618	17	US-10-085-783A-46439	Sequence 46439, A
24	18	66.7	664	18	US-10-425-115-61299	Sequence 61299, A
25	18	66.7	741	17	US-10-424-599-25579	Sequence 25579, A
26	18	66.7	815	13	US-10-027-632-157903	Sequence 157903,
27	18	66.7	815	17	US-10-027-632-157903	Sequence 157903,
28	17.8	65.9	633	14	US-10-198-846-2267	Sequence 2267, Ap
c 29	17.6	65.2	409	17	US-10-424-599-116893	Sequence 116893,
30	17.6	65.2	421	13	US-10-027-632-46429	Sequence 46429, A
31	17.6	65.2	421	13	US-10-027-632-70109	Sequence 70109, A
32	17.6	65.2	421	13	US-10-027-632-108439	Sequence 108439,
33	17.6	65.2	421	13	US-10-027-632-295776	Sequence 295776,
34	17.6	65.2	421	17	US-10-027-632-46429	Sequence 46429, A
35	17.6	65.2	421	17	US-10-027-632-70109	Sequence 70109, A
36	17.6	65.2	421	17	US-10-027-632-108439	Sequence 108439,
37	17.6	65.2	421	17	US-10-027-632-295776	Sequence 295776,
38	17.6	65.2	439	18	US-10-723-860-3666	Sequence 3666, Ap
39	17.6	65.2	537	18	US-10-437-963-2	Sequence 2, Appli
c 40	17.6	65.2	660	13	US-10-027-632-216968	Sequence 216968,
c 41	17.6	65.2	660	13	US-10-027-632-216969	Sequence 216969,
c 42	17.6	65.2	660	13	US-10-027-632-216970	Sequence 216970,
c 43	17.6	65.2	660	13	US-10-027-632-216971	Sequence 216971,
c 44	17.6	65.2	660	17	US-10-027-632-216968	Sequence 216968,
c 45	17.6	65.2	660	17	US-10-027-632-216969	Sequence 216969,
c 46	17.6	65.2	660	17	US-10-027-632-216970	Sequence 216970,
c 47	17.6	65.2	660	17	US-10-027-632-216971	Sequence 216971,
48	17.6	65.2	701	13	US-10-027-632-129013	Sequence 129013,
49	17.6	65.2	701	17	US-10-027-632-129013	Sequence 129013,
c 50	17.6	65.2	711	10	US-09-764-891-9835	Sequence 9835, Ap
c 51	17.6	65.2	716	17	US-10-260-238-2194	Sequence 2194, Ap
c 52	17.6	65.2	717	13	US-10-027-632-24685	Sequence 24685, A
c 53	17.6	65.2	717	17	US-10-027-632-24685	Sequence 24685, A
54	17.4	64.4	511	13	US-10-027-632-59575	Sequence 59575, A
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56	17.4	64.4	511	17	US-10-027-632-59575	Sequence 59575, A
57	17.4	64.4	511	17	US-10-027-632-298803	Sequence 298803,
c 58	17.4	64.4	534	18	US-10-425-115-168252	Sequence 168252,
c 59	17.4	64.4	643	18	US-10-425-115-18054	Sequence 18054, A
c 60	17.4	64.4	643	18	US-10-425-115-151194	Sequence 151194,
61	17.4	64.4	678	17	US-10-276-774-527	Sequence 527, App
c 62	17.4	64.4	687	18	US-10-767-701-9546	Sequence 9546, Ap
63	17.4	64.4	792	13	US-10-027-632-160260	Sequence 160260,
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65	17.4	64.4	818	13	US-10-027-632-157304	Sequence 157304,
66	17.4	64.4	818	17	US-10-027-632-157304	Sequence 157304,
c 67	17.4	64.4	934	18	US-10-437-963-1051	Sequence 1051, Ap
68	17.2	63.7	215	18	US-10-674-124A-16645	Sequence 16645, A
c 69	17.2	63.7	262	17	US-10-424-599-141386	Sequence 141386,
70	17.2	63.7	447	9	US-09-878-722-128	Sequence 128, App
71	17.2	63.7	447	10	US-09-904-456-128	Sequence 128, App
c 72	17.2	63.7	571	9	US-09-878-134-353	Sequence 353, App
c 73	17.2	63.7	581	9	US-09-878-178-448	Sequence 448, App
c 74	17.2	63.7	581	13	US-10-046-935-448	Sequence 448, App
c 75	17.2	63.7	581	14	US-10-146-502-448	Sequence 448, App
c 76	17.2	63.7	680	9	US-09-924-256A-37	Sequence 37, Appl
77	17.2	63.7	729	18	US-10-437-963-60039	Sequence 60039, A
78	17.2	63.7	748	13	US-10-027-632-151287	Sequence 151287,
79	17.2	63.7	748	17	US-10-027-632-151287	Sequence 151287,
80	17.2	63.7	765	17	US-10-424-599-53800	Sequence 53800, A
81	17.2	63.7	787	14	US-10-082-830-138	Sequence 138, App
c 82	17	63.0	153	18	US-10-425-115-23948	Sequence 23948, A
c 83	17	63.0	201	18	US-10-719-993-20095	Sequence 20095, A
c 84	17	63.0	201	18	US-10-719-993-20096	Sequence 20096, A

c 85	17	63.0	201	18	US-10-719-993-20097	Sequence 20097, A
c 86	17	63.0	201	19	US-10-741-600-39929	Sequence 39929, A
c 87	17	63.0	201	19	US-10-741-600-39930	Sequence 39930, A
c 88	17	63.0	201	19	US-10-741-600-39931	Sequence 39931, A
c 89	17	63.0	225	17	US-10-282-122A-16146	Sequence 16146, A
90	17	63.0	244	17	US-10-424-599-75447	Sequence 75447, A
91	17	63.0	285	9	US-09-864-761-28013	Sequence 28013, A
c 92	17	63.0	396	13	US-10-040-916-11	Sequence 11, Appl
93	17	63.0	397	15	US-10-106-698-2932	Sequence 2932, Ap
94	17	63.0	415	18	US-10-674-124A-5349	Sequence 5349, Ap
c 95	17	63.0	493	18	US-10-425-115-26891	Sequence 26891, A
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98	17	63.0	523	18	US-10-437-963-58091	Sequence 58091, A
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c 102	17	63.0	540	13	US-10-027-632-42470	Sequence 42470, A
c 103	17	63.0	540	17	US-10-027-632-42470	Sequence 42470, A
c 104	17	63.0	559	13	US-10-027-632-187941	Sequence 187941,
c 105	17	63.0	559	17	US-10-027-632-187941	Sequence 187941,
c 106	17	63.0	560	13	US-10-027-632-89716	Sequence 89716, A
c 107	17	63.0	560	13	US-10-027-632-303797	Sequence 303797,
c 108	17	63.0	560	17	US-10-027-632-89716	Sequence 89716, A
c 109	17	63.0	560	17	US-10-027-632-303797	Sequence 303797,
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c 111	17	63.0	584	13	US-10-027-632-214251	Sequence 214251,
c 112	17	63.0	584	17	US-10-027-632-214251	Sequence 214251,
c 113	17	63.0	585	13	US-10-027-632-224525	Sequence 224525,
c 114	17	63.0	585	17	US-10-027-632-224525	Sequence 224525,
c 115	17	63.0	585	17	US-10-335-977-3941	Sequence 3941, Ap
116	17	63.0	591	13	US-10-027-632-283806	Sequence 283806,
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c 118	17	63.0	596	16	US-10-029-386-11114	Sequence 11114, A
c 119	17	63.0	603	13	US-10-027-632-126963	Sequence 126963,
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122	17	63.0	617	13	US-10-027-632-315964	Sequence 315964,
123	17	63.0	617	17	US-10-027-632-83066	Sequence 83066, A
124	17	63.0	617	17	US-10-027-632-315964	Sequence 315964,
125	17	63.0	631	13	US-10-027-632-218637	Sequence 218637,
126	17	63.0	631	17	US-10-027-632-218637	Sequence 218637,
127	17	63.0	649	17	US-10-424-599-115157	Sequence 115157,
128	17	63.0	650	17	US-10-424-599-57160	Sequence 57160, A
129	17	63.0	710	18	US-10-425-115-9636	Sequence 9636, Ap
c 130	17	63.0	753	17	US-10-335-977-3942	Sequence 3942, Ap
c 131	17	63.0	756	13	US-10-027-632-62271	Sequence 62271, A
c 132	17	63.0	756	13	US-10-027-632-310030	Sequence 310030,
c 133	17	63.0	756	17	US-10-027-632-62271	Sequence 62271, A
c 134	17	63.0	756	17	US-10-027-632-310030	Sequence 310030,
c 135	17	63.0	777	13	US-10-027-632-34873	Sequence 34873, A
c 136	17	63.0	777	17	US-10-027-632-34873	Sequence 34873, A
137	17	63.0	833	18	US-10-425-115-167724	Sequence 167724,
c 138	17	63.0	844	13	US-10-027-632-170385	Sequence 170385,
c 139	17	63.0	844	17	US-10-027-632-170385	Sequence 170385,
140	17	63.0	847	13	US-10-027-632-148970	Sequence 148970,
141	17	63.0	847	13	US-10-027-632-148971	Sequence 148971,
142	17	63.0	847	13	US-10-027-632-148972	Sequence 148972,
143	17	63.0	847	13	US-10-027-632-148973	Sequence 148973,
144	17	63.0	847	17	US-10-027-632-148970	Sequence 148970,
145	17	63.0	847	17	US-10-027-632-148971	Sequence 148971,
146	17	63.0	847	17	US-10-027-632-148972	Sequence 148972,
147	17	63.0	847	17	US-10-027-632-148973	Sequence 148973,
c 148	17	63.0	875	17	US-10-424-599-39510	Sequence 39510, A
c 149	17	63.0	918	18	US-10-767-701-8249	Sequence 8249, Ap
c 150	16.8	62.2	473	18	US-10-437-963-3907	Sequence 3907, Ap
c 151	16.8	62.2	531	13	US-10-027-632-6457	Sequence 6457, Ap
c 152	16.8	62.2	531	13	US-10-027-632-6458	Sequence 6458, Ap
c 153	16.8	62.2	531	17	US-10-027-632-6457	Sequence 6457, Ap
c 154	16.8	62.2	531	17	US-10-027-632-6458	Sequence 6458, Ap
c 155	16.8	62.2	533	13	US-10-027-632-233883	Sequence 233883,
c 156	16.8	62.2	533	13	US-10-027-632-233884	Sequence 233884,
c 157	16.8	62.2	533	17	US-10-027-632-233883	Sequence 233883,
c 158	16.8	62.2	533	17	US-10-027-632-233884	Sequence 233884,
c 159	16.8	62.2	568	17	US-10-424-599-43995	Sequence 43995, A
c 160	16.8	62.2	590	16	US-10-029-386-8117	Sequence 8117, Ap
161	16.8	62.2	638	10	US-09-930-213-160	Sequence 160, App
162	16.6	61.5	65	10	US-09-908-975-28747	Sequence 28747, A
c 163	16.6	61.5	128	17	US-10-242-535A-4434	Sequence 4434, Ap
c 164	16.6	61.5	128	17	US-10-085-783A-4434	Sequence 4434, Ap
165	16.6	61.5	151	18	US-10-674-124A-10435	Sequence 10435, A
c 166	16.6	61.5	154	9	US-09-878-178-1729	Sequence 1729, Ap
c 167	16.6	61.5	154	13	US-10-046-935-1729	Sequence 1729, Ap
c 168	16.6	61.5	154	14	US-10-146-502-1729	Sequence 1729, Ap
c 169	16.6	61.5	201	19	US-10-741-600-46905	Sequence 46905, A
c 170	16.6	61.5	309	9	US-09-294-093B-3507	Sequence 3507, Ap
c 171	16.6	61.5	313	17	US-10-424-599-24473	Sequence 24473, A
172	16.6	61.5	321	10	US-09-814-353-3049	Sequence 3049, Ap
173	16.6	61.5	321	10	US-09-814-353-9377	Sequence 9377, Ap
c 174	16.6	61.5	334	18	US-10-437-963-76450	Sequence 76450, A
175	16.6	61.5	351	9	US-09-974-300-7632	Sequence 7632, Ap
176	16.6	61.5	362	9	US-09-770-791-483	Sequence 483, App
177	16.6	61.5	391	17	US-10-242-535A-7818	Sequence 7818, Ap
178	16.6	61.5	391	17	US-10-085-783A-7818	Sequence 7818, Ap
179	16.6	61.5	398	10	US-09-814-353-15761	Sequence 15761, A
180	16.6	61.5	425	18	US-10-425-115-4589	Sequence 4589, Ap
c 181	16.6	61.5	428	17	US-10-424-599-65443	Sequence 65443, A
182	16.6	61.5	469	9	US-09-796-692-8856	Sequence 8856, Ap
183	16.6	61.5	469	14	US-10-040-862-8856	Sequence 8856, Ap
184	16.6	61.5	469	17	US-10-057-475B-8856	Sequence 8856, Ap
185	16.6	61.5	469	17	US-10-154-884B-8856	Sequence 8856, Ap
186	16.6	61.5	469	18	US-10-764-324-8856	Sequence 8856, Ap
c 187	16.6	61.5	518	16	US-10-029-386-13392	Sequence 13392, A
c 188	16.6	61.5	541	17	US-10-600-230-2	Sequence 2, Appli
189	16.6	61.5	561	16	US-10-029-386-3798	Sequence 3798, Ap
c 190	16.6	61.5	585	13	US-10-027-632-239911	Sequence 239911,
c 191	16.6	61.5	585	13	US-10-027-632-239912	Sequence 239912,
c 192	16.6	61.5	585	17	US-10-027-632-239911	Sequence 239911,
c 193	16.6	61.5	585	17	US-10-027-632-239912	Sequence 239912,
c 194	16.6	61.5	593	9	US-09-864-761-7514	Sequence 7514, Ap
195	16.6	61.5	624	13	US-10-027-632-218358	Sequence 218358,
196	16.6	61.5	624	17	US-10-027-632-218358	Sequence 218358,
c 197	16.6	61.5	675	13	US-10-027-632-33918	Sequence 33918, A
c 198	16.6	61.5	675	17	US-10-027-632-33918	Sequence 33918, A
c 199	16.6	61.5	730	18	US-10-425-115-157385	Sequence 157385,
200	16.6	61.5	734	13	US-10-027-632-25617	Sequence 25617, A
201	16.6	61.5	734	17	US-10-027-632-25617	Sequence 25617, A
c 202	16.6	61.5	778	17	US-10-424-599-142106	Sequence 142106,
203	16.6	61.5	810	16	US-10-074-511-10	Sequence 10, Appl
c 204	16.6	61.5	845	13	US-10-027-632-151842	Sequence 151842,
c 205	16.6	61.5	845	13	US-10-027-632-151843	Sequence 151843,
c 206	16.6	61.5	845	17	US-10-027-632-151842	Sequence 151842,
c 207	16.6	61.5	845	17	US-10-027-632-151843	Sequence 151843,
c 208	16.6	61.5	845	18	US-10-451-467A-209	Sequence 209, App
c 209	16.6	61.5	856	13	US-10-027-632-121102	Sequence 121102,
c 210	16.6	61.5	856	17	US-10-027-632-121102	Sequence 121102,
211	16.6	61.5	925	15	US-10-101-510-666	Sequence 666, App
212	16.6	61.5	961	17	US-10-425-114-5636	Sequence 5636, Ap
213	16.6	61.5	967	9	US-09-938-842A-3507	Sequence 3507, Ap
214	16.6	61.5	967	11	US-09-938-842A-3507	Sequence 3507, Ap
215	16.4	60.7	108	9	US-09-796-692-7240	Sequence 7240, Ap
216	16.4	60.7	108	14	US-10-040-862-7240	Sequence 7240, Ap
217	16.4	60.7	108	17	US-10-057-475B-7240	Sequence 7240, Ap
218	16.4	60.7	108	17	US-10-154-884B-7240	Sequence 7240, Ap
219	16.4	60.7	108	18	US-10-764-324-7240	Sequence 7240, Ap
c 220	16.4	60.7	201	9	US-09-796-692-6463	Sequence 6463, Ap
c 221	16.4	60.7	201	14	US-10-040-862-6463	Sequence 6463, Ap
c 222	16.4	60.7	201	17	US-10-057-475B-6463	Sequence 6463, Ap
c 223	16.4	60.7	201	17	US-10-154-884B-6463	Sequence 6463, Ap
c 224	16.4	60.7	201	18	US-10-764-324-6463	Sequence 6463, Ap
225	16.4	60.7	201	18	US-10-719-993-46034	Sequence 46034, A
c 226	16.4	60.7	221	18	US-10-425-115-115832	Sequence 115832,
227	16.4	60.7	225	18	US-10-437-963-33290	Sequence 33290, A
228	16.4	60.7	234	16	US-10-029-386-25555	Sequence 25555, A
c 229	16.4	60.7	238	18	US-10-437-963-44795	Sequence 44795, A
230	16.4	60.7	255	10	US-09-930-213-604	Sequence 604, App

GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: April 15, 2005, 23:33:31 ; Search time 720.71 Seconds
(without alignments)
1748.047 Million cell updates/sec

Title: US-10-025-137B-8
Perfect score: 26
Sequence: 1 gttatgtattgctgctgtttgcggcg 26

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 4708233 seqs, 24227607955 residues

Total number of hits satisfying chosen parameters: 7317552

Minimum DB seq length: 0
Maximum DB seq length: 1000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database : GenEmbl:*
1: gb_ba:*
2: gb_htg:*
3: gb_in:*
4: gb_om:*
5: gb_ov:*
6: gb_pat:*
7: gb_ph:*
8: gb_pl:*
9: gb_pr:*
10: gb_ro:*
11: gb_sts:*
12: gb_sy:*
13: gb_un:*
14: gb_vi:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	26	100.0	26	6	AX781570	AX781570 Sequence
c	2	25	96.2	100	6	AX998212	AX998212 Sequence
	3	19.2	73.8	597	6	AR542740	AR542740 Sequence
	4	18.6	71.5	760	6	AR508394	AR508394 Sequence
	5	18.4	70.8	846	6	AX596232	AX596232 Sequence
	6	18.4	70.8	846	6	AX820532	AX820532 Sequence
	7	18.4	70.8	846	6	AX831562	AX831562 Sequence
	8	18.2	70.0	617	6	AX433351	AX433351 Sequence
c	9	18.2	70.0	702	1	AF243076	AF243076 Helicobac
c	10	18.2	70.0	702	1	AY738334	AY738334 Helicobac
c	11	18.2	70.0	717	1	AF123537	AF123537 Helicobac
c	12	18	69.2	366	6	AR555040	AR555040 Sequence
c	13	18	69.2	384	6	CQ740456	CQ740456 Sequence
c	14	18	69.2	652	11	BV024286	BV024286 S212P6848
	15	18	69.2	987	11	CNS06K12	AL402300 T7 end of
c	16	17.8	68.5	782	3	AY166805	AY166805 Cryptospo
c	17	17.6	67.7	231	6	CQ743545	CQ743545 Sequence
	18	17.6	67.7	816	8	RICGA3	D83527 Rice (YK426
	19	17.6	67.7	881	14	BTVVP2RA	L46683 Bluetongue
	20	17.2	66.2	266	8	AY023417	AY023417 Oryza sat
c	21	17.2	66.2	306	8	ATH525135	AJ525135 Arabidops
c	22	17.2	66.2	412	6	CQ424886	CQ424886 Sequence
	23	17.2	66.2	453	11	G37169	G37169 SHGC-57062
c	24	17.2	66.2	456	5	AY254327	AY254327 Bitis ari
c	25	17.2	66.2	559	8	AB088070	AB088070 Oryza bar
c	26	17.2	66.2	671	5	AY429479	AY429479 Bitis gab
c	27	17	65.4	306	6	CQ456573	CQ456573 Sequence
	28	17	65.4	671	8	PRU90343	U90343 Pinus radia
	29	17	65.4	821	1	AY394854	AY394854 Rickettsi
	30	17	65.4	888	6	CQ738310	CQ738310 Sequence
c	31	16.8	64.6	194	9	HS66H7R	Z65915 H.sapiens C
c	32	16.8	64.6	197	9	HS190D7R	Z55075 H.sapiens C
	33	16.8	64.6	197	9	HS66H7F	Z65914 H.sapiens C
c	34	16.8	64.6	263	6	AR246529	AR246529 Sequence
c	35	16.8	64.6	351	5	AY368287	AY368287 Antennari
	36	16.8	64.6	503	8	AK112058	AK112058 Oryza sat
	37	16.8	64.6	508	1	AF417516S2	AF417517 Rhizobium
	38	16.8	64.6	612	1	ATU251784	AJ251784 Agrobacte
	39	16.8	64.6	667	1	AF417520S2	AF417521 Agrobacte
	40	16.8	64.6	678	6	AR226885	AR226885 Sequence
c	41	16.8	64.6	705	9	HSA326774	AJ326774 Homo sapi
c	42	16.6	63.8	331	9	HUMPDNRD	L10621 Human D9S14
	43	16.6	63.8	399	3	AY238438	AY238438 Spodopter
	44	16.6	63.8	452	8	AY255704	AY255704 Stellaria
	45	16.6	63.8	506	8	AF506913	AF506913 Solidago
	46	16.6	63.8	561	3	AY238439	AY238439 Spodopter
c	47	16.6	63.8	593	14	AF030043	AF030043 Human end
c	48	16.6	63.8	599	6	AX304954	AX304954 Sequence
	49	16.6	63.8	607	11	G63093	G63093 SHGC-140695
	50	16.6	63.8	663	11	BV013937	BV013937 S212P6231
	51	16.6	63.8	868	8	AY564163	AY564163 Pythium a
	52	16.6	63.8	871	8	AY564170	AY564170 Phytophth
c	53	16.6	63.8	892	5	CR353922	CR353922 Gallus ga
c	54	16.6	63.8	903	6	AX434714	AX434714 Sequence
	55	16.6	63.8	924	8	AY564174	AY564174 Phytophth
	56	16.6	63.8	924	8	AY564188	AY564188 Phytophth
	57	16.6	63.8	927	8	AY564176	AY564176 Phytophth
c	58	16.6	63.8	933	8	BT009541	BT009541 Triticum
c	59	16.6	63.8	983	5	AF435096	AF435096 Aquila he
c	60	16.6	63.8	983	5	AF435097	AF435097 Aquila he
	61	16.4	63.1	231	8	CRPSPA4	X02349 C. reinhard
	62	16.4	63.1	266	6	CQ504191	CQ504191 Sequence
	63	16.4	63.1	266	6	CQ513252	CQ513252 Sequence
c	64	16.4	63.1	357	14	AF191449	AF191449 HIV-1 iso
	65	16.4	63.1	370	6	CQ483367	CQ483367 Sequence
	66	16.4	63.1	481	11	BV078805	BV078805 px-28g9 F
	67	16.4	63.1	491	8	HVTHIOR5	X05590 Barley mRNA
	68	16.4	63.1	493	6	AR504570	AR504570 Sequence
	69	16.4	63.1	493	6	AR519852	AR519852 Sequence
	70	16.4	63.1	509	8	SCE011954	AJ011954 Secale ce
c	71	16.4	63.1	522	6	CQ071646	CQ071646 Sequence
c	72	16.4	63.1	522	6	CQ102250	CQ102250 Sequence
c	73	16.4	63.1	522	6	CQ141194	CQ141194 Sequence
c	74	16.4	63.1	522	6	CQ176847	CQ176847 Sequence
c	75	16.4	63.1	522	6	CQ224465	CQ224465 Sequence
c	76	16.4	63.1	522	6	CQ262487	CQ262487 Sequence
c	77	16.4	63.1	522	6	CQ299546	CQ299546 Sequence
c	78	16.4	63.1	522	6	CQ336686	CQ336686 Sequence
	79	16.4	63.1	528	8	AY251265	AY251265 Bassia sc
	80	16.4	63.1	528	8	AY251266	AY251266 Bassia sc
	81	16.4	63.1	538	8	SCE011950	AJ011950 Secale ce
	82	16.4	63.1	538	8	SCE011951	AJ011951 Secale ce
	83	16.4	63.1	544	8	HVTHIOR4	X05589 Barley mRNA
	84	16.4	63.1	592	11	G92882	G92882 S208P6056RH
	85	16.4	63.1	608	8	BLYTHNB	M19047 Barley leaf
c	86	16.4	63.1	626	11	BV067149	BV067149 S212P6008
c	87	16.4	63.1	648	11	BV017884	BV017884 S212P6206
	88	16.4	63.1	663	8	BLYTHNC	M19048 Barley leaf
c	89	16.4	63.1	708	11	G53655	G53655 SHGC-84104
	90	16.4	63.1	756	1	AY277975	AY277975 Helicobac
	91	16.4	63.1	791	8	AY211527	AY211527 Phalaris
	92	16.4	63.1	791	8	AY294643	AY294643 Phalaris

c 93	16.4	63.1	870	10	AF045150	AF045150 Mus muscu
94	16.4	63.1	874	5	CR385536	CR385536 Gallus ga
95	16.4	63.1	876	6	AR551353	AR551353 Sequence
96	16.4	63.1	876	14	AY331398	AY331398 Guinea pi
c 97	16.4	63.1	881	11	CNS06EK8	AL395214 T3 end of
98	16.4	63.1	888	8	AY336945	AY336945 Amaranthu
99	16.4	63.1	888	8	AY336946	AY336946 Amaranthu
100	16.4	63.1	888	8	AF131886	AF131886 Poa annua
101	16.4	63.1	888	8	AF131887	AF131887 Poa annua
c 102	16.4	63.1	918	6	AR346993	AR346993 Sequence
c 103	16.4	63.1	944	10	AF030113	AF030113 Mus muscu
104	16.4	63.1	945	8	AF363674	AF363674 Lolium pe
c 105	16.4	63.1	975	6	AX434246	AX434246 Sequence
106	16.4	63.1	981	8	BT011737	BT011737 Arabidops
c 107	16.2	62.3	137	6	AR525740	AR525740 Sequence
108	16.2	62.3	151	6	AX908655	AX908655 Sequence
109	16.2	62.3	151	6	BD044188	BD044188 Sequence
110	16.2	62.3	162	6	AX072583	AX072583 Sequence
c 111	16.2	62.3	192	3	AF097741	AF097741 Cryptospo
112	16.2	62.3	192	6	CQ743919	CQ743919 Sequence
c 113	16.2	62.3	237	6	CQ445521	CQ445521 Sequence
114	16.2	62.3	243	6	AR375729	AR375729 Sequence
115	16.2	62.3	266	6	AR128368	AR128368 Sequence
116	16.2	62.3	322	6	AX920068	AX920068 Sequence
117	16.2	62.3	322	6	BD055601	BD055601 Sequence
118	16.2	62.3	343	9	HUMDYSDMD	L04186 Homo sapien
119	16.2	62.3	350	6	CQ398996	CQ398996 Sequence
120	16.2	62.3	350	6	CQ405275	CQ405275 Sequence
c 121	16.2	62.3	355	3	AF178692	AF178692 Cryptospo
122	16.2	62.3	410	11	DM80A6S	Z70971 D. melanoga
c 123	16.2	62.3	432	6	CQ751597	CQ751597 Sequence
124	16.2	62.3	462	6	AR128678	AR128678 Sequence
c 125	16.2	62.3	462	6	AR509556	AR509556 Sequence
126	16.2	62.3	515	6	A28442	A28442 Cloning vec
c 127	16.2	62.3	529	3	AF164509	AF164509 Cryptospo
c 128	16.2	62.3	564	11	BV014393	BV014393 S212P6128
129	16.2	62.3	570	4	ECVHL64	Y11657 Equus cabal
c 130	16.2	62.3	588	6	BD229733	BD229733 Human gen
c 131	16.2	62.3	593	14	AY101348	AY101348 Caprine a
132	16.2	62.3	597	6	CQ523240	CQ523240 Sequence
133	16.2	62.3	610	8	AY086526	AY086526 Arabidops
c 134	16.2	62.3	612	6	CQ525992	CQ525992 Sequence
135	16.2	62.3	636	3	AY727919	AY727919 Trypanoso
136	16.2	62.3	645	6	AR385582	AR385582 Sequence
c 137	16.2	62.3	657	6	AX415590	AX415590 Sequence
c 138	16.2	62.3	666	5	XLORXR171	Y08349 X.laevis ge
c 139	16.2	62.3	667	11	BV032840	BV032840 S212P6556
140	16.2	62.3	669	11	BV042348	BV042348 S212P6834
141	16.2	62.3	680	11	BV045845	BV045845 S212P6242
142	16.2	62.3	687	6	AX662916	AX662916 Sequence
143	16.2	62.3	687	9	HSCTGFPR	X92511 H.sapiens C
c 144	16.2	62.3	700	3	AY113458	AY113458 Drosophil
c 145	16.2	62.3	781	3	AY166809	AY166809 Cryptospo
c 146	16.2	62.3	806	3	AF528763	AF528763 Cryptospo
c 147	16.2	62.3	806	3	AF528764	AF528764 Cryptospo
c 148	16.2	62.3	806	3	AF528765	AF528765 Cryptospo
c 149	16.2	62.3	806	3	AF528767	AF528767 Cryptospo
c 150	16.2	62.3	809	3	AF528766	AF528766 Cryptospo
c 151	16.2	62.3	810	3	AY166804	AY166804 Cryptospo
c 152	16.2	62.3	813	8	S60262	S60262 pepcZm1=pho
c 153	16.2	62.3	820	3	AF403166	AF403166 Cryptospo
c 154	16.2	62.3	826	3	AF403167	AF403167 Cryptospo
c 155	16.2	62.3	826	3	AF403168	AF403168 Cryptospo
c 156	16.2	62.3	833	3	AY700394	AY700394 Cryptospo
157	16.2	62.3	838	3	AF132698	AF132698 Echinococ
c 158	16.2	62.3	858	3	AF440631	AF440631 Cryptospo
c 159	16.2	62.3	859	3	AF440636	AF440636 Cryptospo
160	16.2	62.3	862	6	AX655074	AX655074 Sequence
c 161	16.2	62.3	866	8	AB066004	AB066004 Chordaria
c 162	16.2	62.3	870	3	AF440621	AF440621 Cryptospo
c 163	16.2	62.3	872	3	AY262034	AY262034 Cryptospo
c 164	16.2	62.3	877	3	AY167590	AY167590 Cryptospo
c 165	16.2	62.3	883	3	AY167589	AY167589 Cryptospo
c 166	16.2	62.3	883	3	AY167592	AY167592 Cryptospo
c 167	16.2	62.3	886	3	AF374347	AF374347 Cryptospo
168	16.2	62.3	891	8	AY564182	AY564182 Phytophth
169	16.2	62.3	902	3	AF132694	AF132694 Echinococ
c 170	16.2	62.3	905	3	AF164501	AF164501 Cryptospo
171	16.2	62.3	909	4	RABIKC	D38376 Oryctolagus
c 172	16.2	62.3	916	3	AF164495	AF164495 Cryptospo
c 173	16.2	62.3	918	3	AF374346	AF374346 Cryptospo
c 174	16.2	62.3	921	3	AF164496	AF164496 Cryptospo
c 175	16.2	62.3	922	3	AF164493	AF164493 Cryptospo
c 176	16.2	62.3	925	3	AF164490	AF164490 Cryptospo
c 177	16.2	62.3	926	3	AF164487	AF164487 Cryptospo
c 178	16.2	62.3	926	3	AF164494	AF164494 Cryptospo
c 179	16.2	62.3	928	3	AF164492	AF164492 Cryptospo
c 180	16.2	62.3	931	3	AF374350	AF374350 Cryptospo
c 181	16.2	62.3	932	3	AF164488	AF164488 Cryptospo
c 182	16.2	62.3	938	3	AF374349	AF374349 Cryptospo
c 183	16.2	62.3	948	3	AF374351	AF374351 Cryptospo
184	16.2	62.3	958	5	CR523235	CR523235 Gallus ga
c 185	16.2	62.3	965	8	AB077196	AB077196 Sphaerotr
c 186	16.2	62.3	966	3	AF374345	AF374345 Cryptospo
c 187	16.2	62.3	969	8	AB077195	AB077195 Sphaerotr
c 188	16.2	62.3	981	3	AF155624	AF155624 Cryptospo
189	16	61.5	69	6	AX435693	AX435693 Sequence
c 190	16	61.5	216	1	ATTXXX	V00091 Ti plasmid
191	16	61.5	234	11	BV162717	BV162717 RPAMMSEQ0
192	16	61.5	256	5	GGZ95314	Z95314 G.gallus mi
193	16	61.5	270	11	BV094442	BV094442 RPAMMSEQ0
194	16	61.5	300	6	BD219983	BD219983 Human gen
c 195	16	61.5	306	11	G54463	G54463 MCW0345 chi
c 196	16	61.5	325	8	HVU234435	AJ234435 Hordeum v
197	16	61.5	339	6	CQ452081	CQ452081 Sequence
c 198	16	61.5	359	11	BV144673	BV144673 PZA02453-
c 199	16	61.5	364	11	BV144668	BV144668 PZA02453-
c 200	16	61.5	369	11	BV144672	BV144672 PZA02453-
c 201	16	61.5	370	11	BV144667	BV144667 PZA02453-
c 202	16	61.5	375	11	BV144666	BV144666 PZA02453-
c 203	16	61.5	375	11	BV144669	BV144669 PZA02453-
c 204	16	61.5	377	11	BV144670	BV144670 PZA02453-
c 205	16	61.5	378	11	BV144674	BV144674 PZA02453-
c 206	16	61.5	379	11	BV132093	BV132093 PZA00512
c 207	16	61.5	381	11	BV132084	BV132084 PZA00512
c 208	16	61.5	381	11	BV132087	BV132087 PZA00512
c 209	16	61.5	381	11	BV144671	BV144671 PZA02453-
c 210	16	61.5	382	11	BV144665	BV144665 PZA02453-
211	16	61.5	383	6	AX245457	AX245457 Sequence
c 212	16	61.5	383	11	BV132070	BV132070 PZA00512
c 213	16	61.5	385	11	BV132071	BV132071 PZA00512
c 214	16	61.5	389	11	BV132075	BV132075 PZA00512
c 215	16	61.5	389	11	BV132089	BV132089 PZA00512
c 216	16	61.5	393	11	BV144675	BV144675 PZA02453-
c 217	16	61.5	394	11	BV132074	BV132074 PZA00512
c 218	16	61.5	399	11	BV132088	BV132088 PZA00512
c 219	16	61.5	400	11	BV132081	BV132081 PZA00512
c 220	16	61.5	401	11	BV132082	BV132082 PZA00512
c 221	16	61.5	402	11	BV132090	BV132090 PZA00512
c 222	16	61.5	402	11	BV132091	BV132091 PZA00512
c 223	16	61.5	403	11	BV132077	BV132077 PZA00512
c 224	16	61.5	403	11	BV132078	BV132078 PZA00512
c 225	16	61.5	403	11	BV132092	BV132092 PZA00512
c 226	16	61.5	406	11	BV132085	BV132085 PZA00512
c 227	16	61.5	406	11	BV132086	BV132086 PZA00512
c 228	16	61.5	408	11	BV132080	BV132080 PZA00512
c 229	16	61.5	409	11	BV132079	BV132079 PZA00512
c 230	16	61.5	412	11	BV132076	BV132076 PZA00512
c 231	16	61.5	414	11	BV132072	BV132072 PZA00512
c 232	16	61.5	414	11	BV132073	BV132073 PZA00512
c 233	16	61.5	418	11	BV132083	BV132083 PZA00512
234	16	61.5	473	6	CQ831225	CQ831225 Sequence
235	16	61.5	515	14	AB064627	AB064627 TT virus
236	16	61.5	518	3	AY265376	AY265376 Sacculina
237	16	61.5	524	6	AR498872	AR498872 Sequence
238	16	61.5	524	6	AR514154	AR514154 Sequence

c 239	16	61.5	554	11	G83438	G83438 S208P6029RD
c 240	16	61.5	577	8	AY081566	AY081566 Arabidops
c 241	16	61.5	608	11	HSJ69C2	AL159889 STS from
c 242	16	61.5	621	6	AR395432	AR395432 Sequence
c 243	16	61.5	622	6	BD229476	BD229476 Human gen
244	16	61.5	629	3	AF005334	AF005334 Timema bo
c 245	16	61.5	630	14	AF286046	AF286046 Snake ATC
246	16	61.5	677	6	AR447904	AR447904 Sequence
247	16	61.5	709	1	AB083208	AB083208 Erwinia s
c 248	16	61.5	710	8	AY273872	AY273872 Eucalyptu
249	16	61.5	735	14	AF241775	AF241775 Hyposoter
250	16	61.5	757	5	CR338748	CR338748 Gallus ga
251	16	61.5	765	8	AY084605	AY084605 Arabidops
c 252	16	61.5	772	5	BC075125	BC075125 Xenopus l
c 253	16	61.5	791	9	HSA327862	AJ327862 Homo sapi
254	16	61.5	803	8	AY042789	AY042789 Arabidops
255	16	61.5	815	11	G39325	G39325 Z21213 Zebr
256	16	61.5	823	5	BX931319	BX931319 Gallus ga
257	16	61.5	824	14	AF135222	AF135222 Bluetongu
c 258	16	61.5	871	9	HSMJ172	X99157 H.sapiens M
259	16	61.5	880	5	BX931519	BX931519 Gallus ga
c 260	16	61.5	896	8	AK111608	AK111608 Oryza sat
c 261	16	61.5	897	8	AB066003	AB066003 Chordaria
262	16	61.5	906	8	AY564198	AY564198 Phytophth
263	16	61.5	922	5	CR353119	CR353119 Gallus ga
264	16	61.5	927	8	AY564177	AY564177 Phytophth
265	16	61.5	932	8	AK069915	AK069915 Oryza sat
c 266	16	61.5	954	14	BGNNSA	X73466 Guaroa viru
c 267	16	61.5	980	8	AY263808	AY263808 Eucalyptu
c 268	15.8	60.8	173	11	G67637	G67637 dj250L5SP6
269	15.8	60.8	183	6	CQ112798	CQ112798 Sequence
270	15.8	60.8	183	6	CQ151671	CQ151671 Sequence
271	15.8	60.8	183	6	CQ185366	CQ185366 Sequence
272	15.8	60.8	183	6	CQ235044	CQ235044 Sequence
273	15.8	60.8	183	6	CQ272602	CQ272602 Sequence
274	15.8	60.8	183	6	CQ310247	CQ310247 Sequence
275	15.8	60.8	183	6	CQ346881	CQ346881 Sequence
276	15.8	60.8	191	6	AR128497	AR128497 Sequence
c 277	15.8	60.8	220	6	AX887688	AX887688 Sequence
c 278	15.8	60.8	220	6	BD027298	BD027298 Sequence
c 279	15.8	60.8	261	6	BD061008	BD061008 Secreted
280	15.8	60.8	284	6	AR128346	AR128346 Sequence
c 281	15.8	60.8	300	6	BD212170	BD212170 Novel hum
c 282	15.8	60.8	300	6	BD220249	BD220249 Human gen
283	15.8	60.8	346	9	HSU29113	U29113 Human leiom
284	15.8	60.8	377	6	BD226668	BD226668 Methods a
285	15.8	60.8	377	6	AR411344	AR411344 Sequence
286	15.8	60.8	379	6	CQ481527	CQ481527 Sequence
c 287	15.8	60.8	398	6	AX071741	AX071741 Sequence
288	15.8	60.8	408	8	GHI567078	AJ567078 Gossypium
c 289	15.8	60.8	413	6	AR352095	AR352095 Sequence
290	15.8	60.8	417	6	CQ502672	CQ502672 Sequence
291	15.8	60.8	417	6	CQ511531	CQ511531 Sequence
c 292	15.8	60.8	421	6	CQ741490	CQ741490 Sequence
293	15.8	60.8	430	6	A93929	A93929 Sequence 17
294	15.8	60.8	430	6	AR262589	AR262589 Sequence
295	15.8	60.8	434	6	CQ472358	CQ472358 Sequence
296	15.8	60.8	447	3	MLGRG26SF	L12429 Molgula occ
297	15.8	60.8	462	8	AF274172	AF274172 Enterolob
c 298	15.8	60.8	470	6	CQ068265	CQ068265 Sequence
c 299	15.8	60.8	470	6	CQ095342	CQ095342 Sequence
c 300	15.8	60.8	470	6	CQ172603	CQ172603 Sequence
c 301	15.8	60.8	470	6	CQ255902	CQ255902 Sequence
c 302	15.8	60.8	470	6	CQ293000	CQ293000 Sequence
c 303	15.8	60.8	470	6	CQ329974	CQ329974 Sequence
c 304	15.8	60.8	471	6	AR424184	AR424184 Sequence
c 305	15.8	60.8	471	6	AX984878	AX984878 Sequence
c 306	15.8	60.8	471	6	BD119737	BD119737 EST and e
307	15.8	60.8	480	6	CQ050401	CQ050401 Sequence
308	15.8	60.8	480	6	CQ065447	CQ065447 Sequence
309	15.8	60.8	480	6	CQ092410	CQ092410 Sequence
310	15.8	60.8	480	6	CQ131223	CQ131223 Sequence
311	15.8	60.8	480	6	CQ169824	CQ169824 Sequence
312	15.8	60.8	480	6	CQ198967	CQ198967 Sequence
313	15.8	60.8	480	6	CQ214429	CQ214429 Sequence
314	15.8	60.8	480	6	CQ253022	CQ253022 Sequence
315	15.8	60.8	480	6	CQ290168	CQ290168 Sequence
316	15.8	60.8	480	6	CQ327124	CQ327124 Sequence
317	15.8	60.8	496	1	AY072807	AY072807 Neisseria
c 318	15.8	60.8	500	11	CNS06JEI	AL401488 T3 end of
c 319	15.8	60.8	502	8	AF483865	AF483865 Phaseolus
c 320	15.8	60.8	509	6	AR352096	AR352096 Sequence
c 321	15.8	60.8	533	6	AX778856	AX778856 Sequence
c 322	15.8	60.8	540	1	AF207576	AF207576 Streptoco
323	15.8	60.8	550	6	CQ099717	CQ099717 Sequence
324	15.8	60.8	550	6	CQ138703	CQ138703 Sequence
325	15.8	60.8	550	6	CQ175487	CQ175487 Sequence
326	15.8	60.8	550	6	CQ222114	CQ222114 Sequence
327	15.8	60.8	550	6	CQ260061	CQ260061 Sequence
328	15.8	60.8	550	6	CQ297813	CQ297813 Sequence
329	15.8	60.8	550	6	CQ334187	CQ334187 Sequence
330	15.8	60.8	550	6	CQ398998	CQ398998 Sequence
331	15.8	60.8	550	6	CQ405277	CQ405277 Sequence
332	15.8	60.8	578	11	BV013519	BV013519 S212P6098
c 333	15.8	60.8	597	6	CQ718298	CQ718298 Sequence
c 334	15.8	60.8	602	4	AF247503	AF247503 Canis fam
c 335	15.8	60.8	613	5	CR353864	CR353864 Gallus ga
336	15.8	60.8	633	11	BV038621	BV038621 S212P6314
c 337	15.8	60.8	650	10	MUSIGKRS	M12374 Mouse Ig ge
c 338	15.8	60.8	654	10	S75315	S75315 Lama2=lamin
339	15.8	60.8	694	6	CQ411661	CQ411661 Sequence
c 340	15.8	60.8	712	11	HUM4STS466	L09784 Human Chrom
341	15.8	60.8	754	3	AK113891	AK113891 Ciona int
c 342	15.8	60.8	769	6	CQ579564	CQ579564 Sequence
343	15.8	60.8	781	10	AF541995	AF541995 Mesocrice
344	15.8	60.8	815	5	BX931956	BX931956 Gallus ga
c 345	15.8	60.8	842	11	BV045204	BV045204 S212P6038
c 346	15.8	60.8	868	6	CQ490868	CQ490868 Sequence
c 347	15.8	60.8	868	6	CQ496716	CQ496716 Sequence
c 348	15.8	60.8	886	1	AF207579	AF207579 Streptoco
349	15.8	60.8	921	11	BV177085	BV177085 sqnm92668
c 350	15.8	60.8	978	6	CQ745190	CQ745190 Sequence
351	15.6	60.0	67	10	AF265757	AF265757 Mus muscu
c 352	15.6	60.0	117	3	AJ616747	AJ616747 Anopheles
c 353	15.6	60.0	118	6	CQ461783	CQ461783 Sequence
354	15.6	60.0	135	6	I74513	I74513 Sequence 17
c 355	15.6	60.0	201	11	BV205378	BV205378 sqnm21805
c 356	15.6	60.0	207	6	AR554091	AR554091 Sequence
c 357	15.6	60.0	213	11	G04223	G04223 human STS W
c 358	15.6	60.0	266	3	AF194952	AF194952 Haliotis
359	15.6	60.0	273	11	G05948	G05948 human STS W
c 360	15.6	60.0	344	6	CQ729986	CQ729986 Sequence
361	15.6	60.0	353	9	AY282402	AY282402 Homo sapi
362	15.6	60.0	361	3	AK115626	AK115626 Ciona int
363	15.6	60.0	361	6	AR502913	AR502913 Sequence
364	15.6	60.0	361	6	AR518195	AR518195 Sequence
365	15.6	60.0	363	6	CQ465365	CQ465365 Sequence
c 366	15.6	60.0	364	11	HSB329WE9	Z53642 H.sapiens (
c 367	15.6	60.0	378	6	BD164049	BD164049 Novel pol
c 368	15.6	60.0	378	6	AX121932	AX121932 Sequence
369	15.6	60.0	378	6	AX892493	AX892493 Sequence
370	15.6	60.0	378	6	BD028026	BD028026 Sequence
371	15.6	60.0	383	6	AR522769	AR522769 Sequence
c 372	15.6	60.0	387	11	G33276	G33276 human STS S
373	15.6	60.0	390	11	AU024872	AU024872 Rattus no
374	15.6	60.0	396	5	D63995	D63995 Gallus gall
375	15.6	60.0	399	3	AF410136	AF410136 Timema bo
c 376	15.6	60.0	405	6	CQ461240	CQ461240 Sequence
377	15.6	60.0	406	3	AF045364	AF045364 Drosophil
c 378	15.6	60.0	407	6	CQ462086	CQ462086 Sequence
379	15.6	60.0	408	3	AF410107	AF410107 Timema po
380	15.6	60.0	411	3	AF410126	AF410126 Timema ge
381	15.6	60.0	416	3	AF410105	AF410105 Timema po
382	15.6	60.0	416	3	AF410106	AF410106 Timema po
383	15.6	60.0	416	3	AF410111	AF410111 Timema po
384	15.6	60.0	416	3	AF410114	AF410114 Timema po

	385	15.6	60.0	416	3	AF410115 AF410115 Timema po
	386	15.6	60.0	416	3	AF410116 AF410116 Timema po
	387	15.6	60.0	416	3	AF410117 AF410117 Timema po
	388	15.6	60.0	416	3	AF410118 AF410118 Timema po
	389	15.6	60.0	416	3	AF410120 AF410120 Timema ge
	390	15.6	60.0	416	3	AF410121 AF410121 Timema ge
	391	15.6	60.0	416	3	AF410122 AF410122 Timema ge
	392	15.6	60.0	416	3	AF410124 AF410124 Timema ge
	393	15.6	60.0	416	3	AF410127 AF410127 Timema ge
	394	15.6	60.0	416	3	AF410128 AF410128 Timema ge
	395	15.6	60.0	416	3	AF410129 AF410129 Timema ge
	396	15.6	60.0	416	3	AF410131 AF410131 Timema ba
	397	15.6	60.0	416	3	AF410133 AF410133 Timema ba
	398	15.6	60.0	416	3	AF410137 AF410137 Timema bo
	399	15.6	60.0	435	8	AF495641 AF495641 Ajellomyc
	400	15.6	60.0	441	8	AF495613 AF495613 Ajellomyc
	401	15.6	60.0	447	6	CQ505077 CQ505077 Sequence
	402	15.6	60.0	447	11	BV045035 BV045035 S208P6514
	403	15.6	60.0	450	6	CQ475108 CQ475108 Sequence
c	404	15.6	60.0	450	6	AX334284 AX334284 Sequence
	405	15.6	60.0	469	6	CQ171721 CQ171721 Sequence
	406	15.6	60.0	469	6	CQ254929 CQ254929 Sequence
c	407	15.6	60.0	470	6	CQ467847 CQ467847 Sequence
	408	15.6	60.0	486	4	CFA388533 AJ388533 Canis fam
c	409	15.6	60.0	489	4	AF223676 AF223676 Bison bon
c	410	15.6	60.0	489	4	BTRDYCR Z31587 B.taurus re
c	411	15.6	60.0	492	6	AX778140 AX778140 Sequence
c	412	15.6	60.0	493	5	AY439121 AY439121 Cyprinid
	413	15.6	60.0	518	1	AY690417 AY690417 Unculture
c	414	15.6	60.0	527	1	AF496062 AF496062 Lactobaci
c	415	15.6	60.0	545	6	AX477860 AX477860 Sequence
	416	15.6	60.0	548	3	AF142133 AF142133 Bdellodes
c	417	15.6	60.0	548	6	BD059181 BD059181 Secreted
	418	15.6	60.0	548	11	BV073671 BV073671 S212P6929
	419	15.6	60.0	550	3	AK115710 AK115710 Ciona int
	420	15.6	60.0	564	3	AY071184 AY071184 Drosophil
c	421	15.6	60.0	566	8	AB108161 AB108161 Phleum pr
	422	15.6	60.0	577	14	AY734478S3 AY734480 Hepatitis
c	423	15.6	60.0	585	6	AX421600 AX421600 Sequence
	424	15.6	60.0	586	3	TSI439525 AJ439525 Trichodor
c	425	15.6	60.0	587	6	CQ524453 CQ524453 Sequence
	426	15.6	60.0	594	5	CR390727 CR390727 Gallus ga
	427	15.6	60.0	595	3	AK173862 AK173862 Ciona int
	428	15.6	60.0	601	6	AX050033 AX050033 Sequence
	429	15.6	60.0	603	5	AY258755 AY258755 Xiphophor
	430	15.6	60.0	613	6	AX241253 AX241253 Sequence
c	431	15.6	60.0	625	6	CQ585936 CQ585936 Sequence
	432	15.6	60.0	630	11	BV043811 BV043811 S212P6364
	433	15.6	60.0	641	3	AF005332 AF005332 Timema ch
c	434	15.6	60.0	646	11	BV097151 BV097151 ATCC1 Gup
	435	15.6	60.0	652	3	AF005333 AF005333 Timema ge
	436	15.6	60.0	653	3	AF005341 AF005341 Timema po
	437	15.6	60.0	658	3	AF005342 AF005342 Timema po
	438	15.6	60.0	660	3	AF005331 AF005331 Timema ba
	439	15.6	60.0	662	11	BV049157 BV049157 S212P6598
c	440	15.6	60.0	665	11	BV023466 BV023466 S212P6172
c	441	15.6	60.0	668	6	AR501299 AR501299 Sequence
c	442	15.6	60.0	668	6	AR516581 AR516581 Sequence
	443	15.6	60.0	671	10	BC027578 BC027578 Mus muscu
c	444	15.6	60.0	677	6	AX053633 AX053633 Sequence
c	445	15.6	60.0	700	1	AY164374 AY164374 Unculture
c	446	15.6	60.0	700	1	AY547761 AY547761 Unculture
c	447	15.6	60.0	706	5	AB098253 AB098253 Echis mul
c	448	15.6	60.0	712	6	AX053643 AX053643 Sequence
c	449	15.6	60.0	738	5	AF354924 AF354924 Trimeresu
c	450	15.6	60.0	743	11	BV048723 BV048723 S212P6049
c	451	15.6	60.0	752	6	AX053647 AX053647 Sequence
c	452	15.6	60.0	761	11	BV065256 BV065256 S212P6045
	453	15.6	60.0	762	11	BV072448 BV072448 S212P6354
	454	15.6	60.0	771	6	AX431677 AX431677 Sequence
	455	15.6	60.0	784	5	CR385523 CR385523 Gallus ga
	456	15.6	60.0	798	11	BV166624 BV166624 PSEN1_232
	457	15.6	60.0	838	9	BC031827 BC031827 Homo sapi
c	458	15.6	60.0	861	12	BT008210 BT008210 Synthetic
	459	15.6	60.0	867	6	AX436392 AX436392 Sequence
c	460	15.6	60.0	891	5	AY389908 AY389908 Protopter
c	461	15.6	60.0	894	1	STU70434 U70434 Salmonella
c	462	15.6	60.0	894	6	CQ715251 CQ715251 Sequence
c	463	15.6	60.0	903	6	AR376163 AR376163 Sequence
	464	15.6	60.0	931	5	BX930047 BX930047 Gallus ga
c	465	15.6	60.0	975	6	AR359996 AR359996 Sequence
c	466	15.6	60.0	975	6	AR360053 AR360053 Sequence
c	467	15.6	60.0	975	6	AX622814 AX622814 Sequence
c	468	15.6	60.0	975	6	AX622883 AX622883 Sequence
c	469	15.6	60.0	975	6	AX742037 AX742037 Sequence
c	470	15.6	60.0	975	6	AX777738 AX777738 Sequence
c	471	15.6	60.0	975	6	AX777807 AX777807 Sequence
	472	15.6	60.0	980	7	NCMUB X01149 Bacteriopha
	473	15.6	60.0	981	6	BD205736 BD205736 Process f
c	474	15.6	60.0	987	6	AR485085 AR485085 Sequence
c	475	15.6	60.0	987	6	AX144285 AX144285 Sequence
	476	15.4	59.2	65	6	CQ530661 CQ530661 Sequence
c	477	15.4	59.2	100	6	AX991013 AX991013 Sequence
	478	15.4	59.2	151	6	CQ463493 CQ463493 Sequence
c	479	15.4	59.2	174	6	CQ744551 CQ744551 Sequence
c	480	15.4	59.2	201	6	AR557875 AR557875 Sequence
c	481	15.4	59.2	242	11	BV108616 BV108616 PZA01420
c	482	15.4	59.2	245	11	HUMC5628 L28405 Human chrom
c	483	15.4	59.2	249	11	BV081089 BV081089 scl230_p4
c	484	15.4	59.2	249	11	BV081090 BV081090 scl230_p4
c	485	15.4	59.2	249	11	BV081098 BV081098 scl230_p4
c	486	15.4	59.2	251	11	BV081087 BV081087 scl230_p4
c	487	15.4	59.2	251	11	BV081092 BV081092 scl230_p4
c	488	15.4	59.2	252	6	AR387790 AR387790 Sequence
c	489	15.4	59.2	253	11	BV081088 BV081088 scl230_p4
c	490	15.4	59.2	253	11	BV081091 BV081091 scl230_p4
c	491	15.4	59.2	253	11	BV081095 BV081095 scl230_p4
c	492	15.4	59.2	253	11	BV081099 BV081099 scl230_p4
c	493	15.4	59.2	254	11	BV081093 BV081093 scl230_p4
c	494	15.4	59.2	254	11	BV081094 BV081094 scl230_p4
c	495	15.4	59.2	254	11	BV081096 BV081096 scl230_p4
c	496	15.4	59.2	254	11	BV081097 BV081097 scl230_p4
c	497	15.4	59.2	256	6	AR121844 AR121844 Sequence
c	498	15.4	59.2	256	6	AR121898 AR121898 Sequence
c	499	15.4	59.2	256	6	BD223336 BD223336 Toxicolog
c	500	15.4	59.2	256	6	AR206467 AR206467 Sequence
c	501	15.4	59.2	256	6	AX147225 AX147225 Sequence
	502	15.4	59.2	256	11	G70600 G70600 VE0454311FB
c	503	15.4	59.2	257	6	AX411243 AX411243 Sequence
c	504	15.4	59.2	257	11	G06068 G06068 human STS W
c	505	15.4	59.2	276	14	HIVJGV117 Z68527 HIV-1 DNA v
c	506	15.4	59.2	279	6	A75127 A75127 Sequence 81
c	507	15.4	59.2	279	6	A78106 A78106 Sequence 81
	508	15.4	59.2	281	11	G71287 G71287 VE0454311FM
c	509	15.4	59.2	282	11	BV108617 BV108617 PZA01420
c	510	15.4	59.2	284	11	BV108614 BV108614 PZA01420
c	511	15.4	59.2	285	11	BV108619 BV108619 PZA01420
c	512	15.4	59.2	286	11	BV108604 BV108604 PZA01420
c	513	15.4	59.2	286	11	BV108605 BV108605 PZA01420
c	514	15.4	59.2	286	11	BV108612 BV108612 PZA01420
c	515	15.4	59.2	288	11	BV108609 BV108609 PZA01420
c	516	15.4	59.2	288	11	BV108618 BV108618 PZA01420
c	517	15.4	59.2	290	11	BV108606 BV108606 PZA01420
c	518	15.4	59.2	290	11	BV108608 BV108608 PZA01420
c	519	15.4	59.2	290	11	BV108613 BV108613 PZA01420
c	520	15.4	59.2	290	11	BV108615 BV108615 PZA01420
c	521	15.4	59.2	291	11	BV108607 BV108607 PZA01420
c	522	15.4	59.2	291	11	BV108610 BV108610 PZA01420
c	523	15.4	59.2	291	11	BV108611 BV108611 PZA01420
c	524	15.4	59.2	295	1	AF496486 AF496486 Lactobaci
	525	15.4	59.2	298	11	G13173 G13173 umc67 R UMC
	526	15.4	59.2	304	6	CQ713878 CQ713878 Sequence
	527	15.4	59.2	306	8	LEPT52 X59882 L.esculentu
c	528	15.4	59.2	308	11	BV209663 BV209663 ADR006 Ju
c	529	15.4	59.2	316	1	BSPZ77433 Z77433 Bacterium 1
c	530	15.4	59.2	330	11	BV090305 BV090305 RPAMMSEQ0

c 531	15.4	59.2	330	11	BV155104	BV155104 RPAMMSEQ0
532	15.4	59.2	343	11	G10859	G10859 umc64 R mai
c 533	15.4	59.2	369	4	AF301705	AF301705 Tragelaph
c 534	15.4	59.2	394	4	AF301703	AF301703 Tragelaph
c 535	15.4	59.2	397	4	AF301655	AF301655 Tragelaph
c 536	15.4	59.2	397	6	AR499151	AR499151 Sequence
c 537	15.4	59.2	397	6	AR514433	AR514433 Sequence
c 538	15.4	59.2	410	4	AF301646	AF301646 Tragelaph
c 539	15.4	59.2	410	4	AF301677	AF301677 Tragelaph
c 540	15.4	59.2	411	4	AF301678	AF301678 Tragelaph
c 541	15.4	59.2	411	4	AF301701	AF301701 Tragelaph
c 542	15.4	59.2	411	4	AF301702	AF301702 Tragelaph
c 543	15.4	59.2	412	4	AF301704	AF301704 Tragelaph
c 544	15.4	59.2	412	4	AF301706	AF301706 Tragelaph
545	15.4	59.2	412	11	BV038214	BV038214 S208P6625
c 546	15.4	59.2	414	6	CQ737068	CQ737068 Sequence
547	15.4	59.2	419	11	G29626	G29626 human STS S
548	15.4	59.2	428	6	CQ710064	CQ710064 Sequence
c 549	15.4	59.2	438	5	AB178863	AB178863 Xenopus l
c 550	15.4	59.2	439	1	AF478074	AF478074 Bacillus
c 551	15.4	59.2	440	5	AF529482	AF529482 Acipenser
c 552	15.4	59.2	451	8	AF377853	AF377853 Zea mays
553	15.4	59.2	459	6	AR502852	AR502852 Sequence
554	15.4	59.2	459	6	AR518134	AR518134 Sequence
555	15.4	59.2	464	6	AR418070	AR418070 Sequence
556	15.4	59.2	464	6	AX978764	AX978764 Sequence
557	15.4	59.2	464	6	BD113623	BD113623 EST and e
558	15.4	59.2	466	6	AR501781	AR501781 Sequence
559	15.4	59.2	466	6	AR517063	AR517063 Sequence
560	15.4	59.2	474	6	CQ069141	CQ069141 Sequence
561	15.4	59.2	474	6	CQ202624	CQ202624 Sequence
562	15.4	59.2	474	6	CQ218190	CQ218190 Sequence
563	15.4	59.2	474	6	CQ256785	CQ256785 Sequence
564	15.4	59.2	474	6	CQ293892	CQ293892 Sequence
565	15.4	59.2	474	6	CQ330769	CQ330769 Sequence
566	15.4	59.2	474	6	AX436077	AX436077 Sequence
567	15.4	59.2	475	6	AR499711	AR499711 Sequence
568	15.4	59.2	475	6	AR514993	AR514993 Sequence
c 569	15.4	59.2	476	6	AR497895	AR497895 Sequence
c 570	15.4	59.2	476	6	AR513177	AR513177 Sequence
c 571	15.4	59.2	478	8	AF377846	AF377846 Zea mays
c 572	15.4	59.2	478	8	AF377848	AF377848 Zea mays
c 573	15.4	59.2	478	8	AF377849	AF377849 Zea mays
c 574	15.4	59.2	478	8	AF377850	AF377850 Zea mays
c 575	15.4	59.2	478	8	AF377851	AF377851 Zea mays
c 576	15.4	59.2	478	8	AF377855	AF377855 Zea mays
c 577	15.4	59.2	478	8	AF377862	AF377862 Zea mays
c 578	15.4	59.2	479	8	AF377845	AF377845 Zea mays
c 579	15.4	59.2	479	8	AF377856	AF377856 Zea mays
c 580	15.4	59.2	479	8	AF377863	AF377863 Zea mays
c 581	15.4	59.2	480	8	AF377843	AF377843 Zea mays
c 582	15.4	59.2	480	8	AF377847	AF377847 Zea mays
c 583	15.4	59.2	480	8	AF377860	AF377860 Zea mays
584	15.4	59.2	480	11	BV066804	BV066804 S212P6024
c 585	15.4	59.2	481	8	AF377844	AF377844 Zea mays
c 586	15.4	59.2	482	8	AF377852	AF377852 Zea mays
c 587	15.4	59.2	482	8	AF377857	AF377857 Zea mays
c 588	15.4	59.2	482	8	AF377864	AF377864 Zea mays
589	15.4	59.2	485	9	HSPA9F4	Z79484 H.sapiens f
c 590	15.4	59.2	492	6	CQ680118	CQ680118 Sequence
591	15.4	59.2	500	8	AY594300	AY594300 Populus b
c 592	15.4	59.2	509	6	AR304309	AR304309 Sequence
c 593	15.4	59.2	511	6	CQ528573	CQ528573 Sequence
594	15.4	59.2	514	5	D89740	D89740 Sternoptyx
c 595	15.4	59.2	519	6	CQ528556	CQ528556 Sequence
596	15.4	59.2	519	6	AX437051	AX437051 Sequence
c 597	15.4	59.2	534	6	BD222348	BD222348 Drug-rela
c 598	15.4	59.2	537	10	AY255584	AY255584 Mus muscu
c 599	15.4	59.2	543	8	SBY17068	Y17068 Stemphylium
c 600	15.4	59.2	560	11	G79762	G79762 S208P6284FG
601	15.4	59.2	562	6	AR419166	AR419166 Sequence
602	15.4	59.2	562	6	AX979860	AX979860 Sequence
603	15.4	59.2	562	6	BD114719	BD114719 EST and e
604	15.4	59.2	565	11	BV069762	BV069762 S212P6760
c 605	15.4	59.2	570	9	AF135289	AF135289 Macaca mu
c 606	15.4	59.2	570	9	AF135290	AF135290 Macaca mu
c 607	15.4	59.2	570	9	AF135293	AF135293 Macaca mu
c 608	15.4	59.2	570	9	AF135294	AF135294 Macaca mu
c 609	15.4	59.2	570	9	AF135296	AF135296 Macaca mu
c 610	15.4	59.2	570	9	AF135298	AF135298 Macaca mu
c 611	15.4	59.2	594	6	AX437779	AX437779 Sequence
612	15.4	59.2	597	11	BV056894	BV056894 S208P6101
613	15.4	59.2	611	6	BD153924	BD153924 Primer fo
614	15.4	59.2	611	6	AX873862	AX873862 Sequence
615	15.4	59.2	623	11	BV163583	BV163583 RPAMMSEQ0
616	15.4	59.2	625	8	AY084940	AY084940 Arabidops
c 617	15.4	59.2	629	11	BV100052	BV100052 RPAMMSEQ0
c 618	15.4	59.2	642	5	AF127225	AF127225 Xenopus l
619	15.4	59.2	645	6	CQ493388	CQ493388 Sequence
620	15.4	59.2	650	3	ECH582375	AJ582375 Euglossa
c 621	15.4	59.2	668	6	AX415978	AX415978 Sequence
c 622	15.4	59.2	677	8	AB088581	AB088581 Sinocrass
c 623	15.4	59.2	678	8	AB088582	AB088582 Sinocrass
624	15.4	59.2	687	9	AF096774	AF096774 Homo sapi
625	15.4	59.2	690	9	AF096773	AF096773 Homo sapi
626	15.4	59.2	690	9	AF096775	AF096775 Homo sapi
627	15.4	59.2	700	1	ECPMFIND	X05570 E.coli mini
c 628	15.4	59.2	701	11	BV017609	BV017609 S212P6032
629	15.4	59.2	714	6	BD163192	BD163192 Novel pol
630	15.4	59.2	714	6	AX121075	AX121075 Sequence
c 631	15.4	59.2	722	5	GDSCABL1	Z46722 G.domesticu
c 632	15.4	59.2	729	11	BV034199	BV034199 S212P6045
633	15.4	59.2	733	9	HSA336348	AJ336348 Homo sapi
634	15.4	59.2	735	6	AR484971	AR484971 Sequence
635	15.4	59.2	735	6	AX144057	AX144057 Sequence
c 636	15.4	59.2	753	6	AR387726	AR387726 Sequence
637	15.4	59.2	763	8	AK121749	AK121749 Oryza sat
638	15.4	59.2	780	6	AR319355	AR319355 Sequence
c 639	15.4	59.2	791	6	AX053684	AX053684 Sequence
640	15.4	59.2	792	5	CHKCYS	J05077 Chicken cys
c 641	15.4	59.2	795	6	AR304286	AR304286 Sequence
642	15.4	59.2	799	8	AY141196	AY141196 Chroomona
643	15.4	59.2	799	8	AY141197	AY141197 Cryptomon
644	15.4	59.2	804	6	AR396786	AR396786 Sequence
c 645	15.4	59.2	808	5	BX935422	BX935422 Gallus ga
c 646	15.4	59.2	814	9	HSA324527	AJ324527 Homo sapi
647	15.4	59.2	818	4	AY176106	AY176106 Equus cab
648	15.4	59.2	825	8	AY543539	AY543539 Triticum
649	15.4	59.2	833	3	AY499203	AY499203 Drosophil
650	15.4	59.2	833	3	AY499205	AY499205 Drosophil
c 651	15.4	59.2	837	6	AR501284	AR501284 Sequence
c 652	15.4	59.2	837	6	AR516566	AR516566 Sequence
653	15.4	59.2	840	6	AR231287	AR231287 Sequence
654	15.4	59.2	840	6	BD008832	BD008832 Compositi
655	15.4	59.2	844	8	AY151176	AY151176 Pythium i
656	15.4	59.2	845	8	AY151177	AY151177 Pythium i
657	15.4	59.2	846	8	AY151179	AY151179 Pythium i
c 658	15.4	59.2	866	8	AY220734	AY220734 Hordeum v
c 659	15.4	59.2	882	6	AR389520	AR389520 Sequence
c 660	15.4	59.2	892	1	ECU13783	U13783 Escherichia
c 661	15.4	59.2	892	1	ECU13784	U13784 Escherichia
c 662	15.4	59.2	892	1	ECU13785	U13785 Escherichia
c 663	15.4	59.2	892	1	ECU13786	U13786 Escherichia
c 664	15.4	59.2	892	1	ECU13787	U13787 Escherichia
c 665	15.4	59.2	892	1	ECU13788	U13788 Escherichia
c 666	15.4	59.2	892	1	ECU13789	U13789 Escherichia
c 667	15.4	59.2	892	1	ECU13790	U13790 Escherichia
c 668	15.4	59.2	892	1	ECU13791	U13791 Escherichia
c 669	15.4	59.2	892	1	ECU13792	U13792 Escherichia
c 670	15.4	59.2	892	1	ECU13793	U13793 Escherichia
c 671	15.4	59.2	892	1	ECU13794	U13794 Escherichia
672	15.4	59.2	892	9	HSMLCKKRP7	AF096771 Homo sapi
c 673	15.4	59.2	941	8	CFU252208	AJ252208 Scenedesm
674	15.4	59.2	957	8	AY119743	AY119743 Rhodochae
675	15.4	59.2	957	8	AY119748	AY119748 Chilomona
676	15.4	59.2	957	8	AY119749	AY119749 Chroomona

c 677	15.4	59.2	960	5	BC083440	BC083440 Danio rer
c 678	15.4	59.2	981	14	IAU47310	U47310 Influenza A
c 679	15.4	59.2	997	5	AY522571	AY522571 Bombina o
c 680	15.2	58.5	76	6	A46780	A46780 Sequence 17
c 681	15.2	58.5	76	6	AR322509	AR322509 Sequence
c 682	15.2	58.5	108	5	GGA301878	AJ301878 Gallus ga
c 683	15.2	58.5	111	6	BD273757	BD273757 Expressio
c 684	15.2	58.5	111	6	AX036042	AX036042 Sequence
c 685	15.2	58.5	119	6	CQ154785	CQ154785 Sequence
686	15.2	58.5	129	6	AX927783	AX927783 Sequence
687	15.2	58.5	129	8	AJ718195	AJ718195 Nicotiana
688	15.2	58.5	136	14	AY366690	AY366690 Hepatitis
689	15.2	58.5	137	14	HCVY15549	Y15549 Hepatitis C
690	15.2	58.5	137	14	HCVY15550	Y15550 Hepatitis C
691	15.2	58.5	147	14	AB012487	AB012487 Hepatitis
c 692	15.2	58.5	156	5	GGA301879	AJ301879 Gallus ga
693	15.2	58.5	199	11	BV208998	BV208998 VMCNG2g7
694	15.2	58.5	200	1	MM16SRNL	X74061 M.marinum l
695	15.2	58.5	209	8	EGU578720	AJ578720 Elaeis gu
696	15.2	58.5	212	14	AY536082	AY536082 Hepatitis
697	15.2	58.5	216	6	BD071583	BD071583 Secreted
698	15.2	58.5	223	11	AU049652	AU049652 Rattus no
c 699	15.2	58.5	231	9	HSLN2C02	U66734 Human lamin
c 700	15.2	58.5	232	9	HS52H2F	Z61471 H.sapiens C
701	15.2	58.5	235	6	BD059707	BD059707 Secreted
702	15.2	58.5	241	14	AF163175	AF163175 Hepatitis
703	15.2	58.5	241	14	AF163176	AF163176 Hepatitis
704	15.2	58.5	249	6	AR507558	AR507558 Sequence
705	15.2	58.5	265	6	CQ518306	CQ518306 Sequence
706	15.2	58.5	265	14	HEC510825	AJ510825 Hepatitis
707	15.2	58.5	265	14	HEC510857	AJ510857 Hepatitis
708	15.2	58.5	265	14	HEC510859	AJ510859 Hepatitis
709	15.2	58.5	265	14	HEC511050	AJ511050 Hepatitis
710	15.2	58.5	265	14	HEC511051	AJ511051 Hepatitis
711	15.2	58.5	265	14	HEC511054	AJ511054 Hepatitis
712	15.2	58.5	265	14	HEC511071	AJ511071 Hepatitis
713	15.2	58.5	265	14	HEC564842	AJ564842 Hepatitis
714	15.2	58.5	265	14	HEC564843	AJ564843 Hepatitis
715	15.2	58.5	265	14	HEC564844	AJ564844 Hepatitis
716	15.2	58.5	277	8	AY742959	AY742959 Solanum t
717	15.2	58.5	277	14	HEC511199	AJ511199 Hepatitis
718	15.2	58.5	277	14	HEC511200	AJ511200 Hepatitis
719	15.2	58.5	277	14	HEC511202	AJ511202 Hepatitis
720	15.2	58.5	277	14	HEC511203	AJ511203 Hepatitis
721	15.2	58.5	277	14	HEC511204	AJ511204 Hepatitis
722	15.2	58.5	277	14	HEC511207	AJ511207 Hepatitis
723	15.2	58.5	277	14	HEC511208	AJ511208 Hepatitis
724	15.2	58.5	277	14	HEC511209	AJ511209 Hepatitis
725	15.2	58.5	277	14	HEC511210	AJ511210 Hepatitis
726	15.2	58.5	277	14	HEC511211	AJ511211 Hepatitis
727	15.2	58.5	277	14	HEC511212	AJ511212 Hepatitis
728	15.2	58.5	277	14	HEC511214	AJ511214 Hepatitis
729	15.2	58.5	277	14	HEC511215	AJ511215 Hepatitis
730	15.2	58.5	277	14	HEC511216	AJ511216 Hepatitis
731	15.2	58.5	277	14	HEC511217	AJ511217 Hepatitis
732	15.2	58.5	277	14	HEC511218	AJ511218 Hepatitis
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767	15.2	58.5	307	5	CHKIGLLO	M63069 Chicken Ig
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775	15.2	58.5	378	11	G47866	G47866 Z26386_1 Ze
776	15.2	58.5	382	11	G16711	G16711 human STS S
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788	15.2	58.5	443	6	AX895016	AX895016 Sequence
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813	15.2	58.5	565	11	BV076573	BV076573 S209P6458
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c 817	15.2	58.5	578	11	BV038190	BV038190 S212P6594
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c	836	15.2	58.5	603	14	AY044806 AY044806 Ovine len
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c	840	15.2	58.5	603	14	AY044810 AY044810 Ovine len
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	842	15.2	58.5	611	8	HVU234591 AJ234591 Hordeum v
c	843	15.2	58.5	612	12	AY202406 AY202406 Arabidops
	844	15.2	58.5	618	11	BV014417 BV014417 S212P6044
c	845	15.2	58.5	620	11	BV026418 BV026418 S212P6424
	846	15.2	58.5	623	11	BV162324 BV162324 RPAMMSEQ0
	847	15.2	58.5	624	11	BV099020 BV099020 RPAMMSEQ0
	848	15.2	58.5	626	11	BV015729 BV015729 S212P6016
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c	850	15.2	58.5	642	6	AR375558 AR375558 Sequence
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	854	15.2	58.5	684	8	AF521301 AF521301 Brassica
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	869	15.2	58.5	738	9	HSA333004 AJ333004 Homo sapi
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	875	15.2	58.5	770	3	AY704240 AY704240 Moneilema
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	887	15.2	58.5	812	11	BV054766 BV054766 S212P6042
	888	15.2	58.5	819	8	AF276302 AF276302 Glycine m
	889	15.2	58.5	826	3	DME300041 AJ300041 Drosophil
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	892	15.2	58.5	837	11	BV033301 BV033301 S212P6032
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	909	15.2	58.5	921	11	BV177656 BV177656 sqnm95984
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994	15	57.7	380	6	CQ514187	CQ514187 Sequence
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996	15	57.7	392	14	YMU53436	U53436 Yam mosaic
997	15	57.7	394	3	AF493160	AF493160 Potamonau
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ALIGNMENTS

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RESULT 1
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ACCESSION   AX781570
VERSION     AX781570.1  GI:32949417
KEYWORDS    .
SOURCE      Escherichia coli
  ORGANISM  Escherichia coli
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            Enterobacteriaceae; Escherichia.
REFERENCE   1
  AUTHORS   Liu,L.Y., Chung,T.Y. and Terng,H.J.
  TITLE     Method for detecting Escherichia coli
  JOURNAL   Patent: EP 1321530-A 8 25-JUN-2003;
            Dr. Chip Biotechnology Incorporation (TW)
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ORIGIN

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  Best Local Similarity  100.0%;  Pred. No. 0.16;
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Qy          1 GTTATGTATTGCTGCTGTTTGCGGCG 26
              ||||||||||||||||||||||||||
Db          1 GTTATGTATTGCTGCTGTTTGCGGCG 26


RESULT 2
AX998212/c
LOCUS       AX998212                 100 bp    DNA     linear   PAT 16-JAN-2004
DEFINITION  Sequence 9675 from Patent EP1260592.
ACCESSION   AX998212
VERSION     AX998212.1  GI:41004558
KEYWORDS    .
SOURCE      Escherichia coli
  ORGANISM  Escherichia coli
            Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;
            Enterobacteriaceae; Escherichia.
REFERENCE   1
  AUTHORS   Donner,H., Drescher,B., Huber,A. and Weber,J.
  TITLE     Biochip
  JOURNAL   Patent: EP 1260592-A 9675 27-NOV-2002;
            MWG -Biotech AG (DE)
FEATURES             Location/Qualifiers
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  Matches   25;  Conservative    0;  Mismatches    0;  Indels    0;  Gaps    0;

Qy          2 TTATGTATTGCTGCTGTTTGCGGCG 26
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RESULT 3
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LOCUS       AR542740                  597 bp    DNA     linear   PAT 08-OCT-2004
DEFINITION  Sequence 9 from patent US 6746676.
ACCESSION   AR542740
VERSION     AR542740.1  GI:53935295
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 597)
  AUTHORS   Rockey,D.D. and Bannantine,J.P.
  TITLE     Chlamydia proteins and their uses
  JOURNAL   Patent: US 6746676-A 9 08-JUN-2004;
FEATURES             Location/Qualifiers
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ORIGIN

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RESULT 4
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LOCUS       AR508394                  760 bp    DNA     linear   PAT 22-SEP-2004
DEFINITION  Sequence 13354 from patent US 6703491.
ACCESSION   AR508394
VERSION     AR508394.1  GI:52443869
KEYWORDS    .
SOURCE      Unknown.
  ORGANISM  Unknown.
            Unclassified.
REFERENCE   1  (bases 1 to 760)
  AUTHORS   Homburger,S.A., Ebens,A.J. Jr., Erickson,C.S., Francis-Lang,H.L.,
            Margolis,J.S., Reddy,B.P., Ruddy,D.A. and Buchman,A.R.
  TITLE     Drosophila sequences
  JOURNAL   Patent: US 6703491-A 13354 09-MAR-2004;
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GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: April 15, 2005, 22:45:27 ; Search time 203.14 Seconds
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Title: US-10-025-137B-8
Perfect score: 26
Sequence: 1 gttatgtattgctgctgtttgcggcg 26

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 4390206 seqs, 2959870667 residues

Total number of hits satisfying chosen parameters: 7367680

Minimum DB seq length: 0
Maximum DB seq length: 1000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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	4	18.8	72.3	765	13	ADR63908	Adr63908 Cotton cD
	5	18.4	70.8	846	10	ACC61552	Acc61552 Gene sequ
	6	18.4	70.8	846	10	ADK64469	Adk64469 Disease t
	7	18.4	70.8	846	13	ADS46859	Ads46859 Bacterial
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	17	17.2	66.2	369	10	ABZ40288	Abz40288 N. gonorr
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	22	17	65.4	761	12	ADJ42856	Adj42856 Plant cDN
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	24	17	65.4	855	6	ABQ45886	Abq45886 Oligonucl
c	25	17	65.4	855	6	ABQ45887	Abq45887 Oligonucl
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	41	16.4	63.1	370	5	ABV15243	Abv15243 Human pro
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	128	16	61.5	503	9	ACL14907 Acl14907 DNA clone
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	130	16	61.5	549	9	ACL14838 Acl14838 DNA clone
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	135	16	61.5	556	9	ACL14911 Acl14911 DNA clone
	136	16	61.5	566	9	ACL14903 Acl14903 DNA clone
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	164	16	61.5	630	9	ACL14870 Acl14870 DNA clone
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	166	16	61.5	638	9	ACL14900 Acl14900 DNA clone
	167	16	61.5	641	9	ACL14835 Acl14835 DNA clone
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	221	15.8	60.8	480	4	ABA42549 Aba42549 Human bre
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	225	15.8	60.8	480	4	ABS26278 Abs26278 Human liv
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c	253	15.8	60.8	868	5	ABV22742 Abv22742 Human pro
c	254	15.8	60.8	868	5	ABV28570 Abv28570 Human pro
c	255	15.8	60.8	879	4	AAF64186 Aaf64186 Human sec
c	256	15.8	60.8	879	8	ABZ73540 Abz73540 Secreted
c	257	15.8	60.8	879	8	ADA98065 Ada98065 Human sec
c	258	15.8	60.8	879	8	ADA43949 Ada43949 Human sec
c	259	15.8	60.8	879	10	ADC20224 Adc20224 Human sec
c	260	15.8	60.8	879	10	ADF10633 Adf10633 Human sec
c	261	15.8	60.8	879	10	ABZ67145 Abz67145 Human sec
c	262	15.8	60.8	891	5	AAS87628 Aas87628 DNA encod
c	263	15.6	60.0	118	6	ABL81583 Abl81583 Human ova
c	264	15.6	60.0	121	12	ADK92315 Adk92315 Polynucle
	265	15.6	60.0	135	2	AAT17639 Aat17639 Polynucle
	266	15.6	60.0	156	10	ABZ38051 Abz38051 N. gonorr
c	267	15.6	60.0	203	2	AAV33716 Aav33716 Human thy
	268	15.6	60.0	363	6	ABL85165 Abl85165 Human ova
	269	15.6	60.0	367	5	ABA11346 Aba11346 Human ner
	270	15.6	60.0	374	4	AAI93471 Aai93471 Human pol
	271	15.6	60.0	378	3	AAC04281 Aac04281 Human sec
c	272	15.6	60.0	378	5	AAH66813 Aah66813 C glutami
c	273	15.6	60.0	378	8	ACA01562 Aca01562 C. glutam
c	274	15.6	60.0	402	4	AAI86056 Aai86056 Human pol
c	275	15.6	60.0	405	6	ABL81040 Abl81040 Human ova
c	276	15.6	60.0	407	6	ABL81886 Abl81886 Human ova
c	277	15.6	60.0	421	8	ABX52239 Abx52239 Bovine ES
	278	15.6	60.0	447	5	ABV36926 Abv36926 Human pro
	279	15.6	60.0	450	5	ABV06984 Abv06984 Human pro
c	280	15.6	60.0	450	6	ABL66456 Abl66456 Lung canc
	281	15.6	60.0	450	10	ADK57248 Adk57248 Plant DNA
	282	15.6	60.0	450	10	ADK59842 Adk59842 Plant DNA
	283	15.6	60.0	469	4	ABA54885 Aba54885 Human foe
	284	15.6	60.0	469	4	ABA24651 Aba24651 Probe #31
c	285	15.6	60.0	470	6	ABL87647 Abl87647 Human ova
	286	15.6	60.0	472	4	AAI87043 Aai87043 Human pol
c	287	15.6	60.0	482	6	ABQ79943 Abq79943 Human NOV
c	288	15.6	60.0	484	6	ABQ99043 Abq99043 Human ORF
c	289	15.6	60.0	488	13	ACN51846 Acn51846 Cotton an
c	290	15.6	60.0	492	10	ADF79741 Adf79741 Leukaemia
	291	15.6	60.0	501	13	ACN54080 Acn54080 Cotton an
c	292	15.6	60.0	506	9	ACH44770 Ach44770 Human foe
c	293	15.6	60.0	522	10	ADK56732 Adk56732 Plant DNA
	294	15.6	60.0	524	3	AAC43623 Aac43623 Arabidops
c	295	15.6	60.0	534	10	ACD92465 Acd92465 Human col
	296	15.6	60.0	538	9	ACL23859 Acl23859 DNA clone
	297	15.6	60.0	544	12	ADL61189 Adl61189 Human pro
c	298	15.6	60.0	545	6	ABN89104 Abn89104 Human pro
c	299	15.6	60.0	548	2	AAV87058 Aav87058 EST clone
	300	15.6	60.0	549	3	AAC93783 Aac93783 Cat flea
	301	15.6	60.0	561	10	ADK56148 Adk56148 Plant DNA
c	302	15.6	60.0	585	6	ABL01495 Abl01495 Murine ap
c	303	15.6	60.0	587	5	ABV56301 Abv56301 Human pro
c	304	15.6	60.0	596	6	ABS69576 Abs69576 Novel mur
	305	15.6	60.0	601	4	ABN93420 Abn93420 Human gen
	306	15.6	60.0	613	4	AAH31429 Aah31429 Human olf
	307	15.6	60.0	618	12	ADQ37098 Adq37098 Cell prol
c	308	15.6	60.0	625	4	ABL10969 Abl10969 Drosophil
c	309	15.6	60.0	663	5	AAS67354 Aas67354 DNA encod
c	310	15.6	60.0	677	4	AAF22820 Aaf22820 Human pro
c	311	15.6	60.0	681	3	AAF14806 Aaf14806 Aspergill
c	312	15.6	60.0	700	6	ABS52106 Abs52106 Human Typ
c	313	15.6	60.0	712	4	AAF22830 Aaf22830 Human pro
	314	15.6	60.0	721	6	ABQ32888 Abq32888 Oligonucl
c	315	15.6	60.0	721	6	ABQ32889 Abq32889 Oligonucl
c	316	15.6	60.0	746	4	AAL37629 Aal37629 Human mus
c	317	15.6	60.0	746	8	ABX60617 Abx60617 cDNA enco
c	318	15.6	60.0	746	12	ADJ31367 Adj31367 Human mus
	319	15.6	60.0	746	13	ADR65301 Adr65301 Cotton cD
c	320	15.6	60.0	752	4	AAF22834 Aaf22834 Human pro
	321	15.6	60.0	771	6	ABK72801 Abk72801 Bacillus
	322	15.6	60.0	771	12	ADQ22554 Adq22554 Human sof
c	323	15.6	60.0	775	10	ADK54396 Adk54396 Plant DNA
	324	15.6	60.0	826	5	AAS74521 Aas74521 DNA encod
	325	15.6	60.0	867	6	ABK77516 Abk77516 Bacillus
c	326	15.6	60.0	870	8	ACA44650 Aca44650 Prokaryot
c	327	15.6	60.0	903	10	ADF00884 Adf00884 Bacterial
c	328	15.6	60.0	974	12	ADM79330 Adm79330 Mouse lym
c	329	15.6	60.0	975	6	ABK72276 Abk72276 Lymphona
c	330	15.6	60.0	975	6	ABK72333 Abk72333 DNA encod
c	331	15.6	60.0	975	12	ADM79399 Adm79399 Lymphoma
	332	15.6	60.0	981	3	AAZ38969 Aaz38969 Escherich
	333	15.6	60.0	981	8	ACA18817 Aca18817 Prokaryot
c	334	15.6	60.0	987	4	AAH53807 Aah53807 S. epider
c	335	15.6	60.0	993	8	ACA46832 Aca46832 Prokaryot
	336	15.4	59.2	65	6	ABN27548 Abn27548 Rat splic
c	337	15.4	59.2	100	8	ACD71206 Acd71206 E. coli K
	338	15.4	59.2	105	3	AAA10089 Aaa10089 Oligonucl
	339	15.4	59.2	151	6	ABL83293 Abl83293 Human ova
	340	15.4	59.2	185	8	ABX54188 Abx54188 Bovine ES
	341	15.4	59.2	195	12	ACH86377 Ach86377 Human gen
	342	15.4	59.2	201	13	ADQ48321 Adq48321 Myocardia
	343	15.4	59.2	201	13	ADQ48200 Adq48200 Myocardia
	344	15.4	59.2	201	13	ADQ48160 Adq48160 Myocardia
	345	15.4	59.2	201	13	ADQ48216 Adq48216 Myocardia
	346	15.4	59.2	201	13	ADQ48110 Adq48110 Myocardia
	347	15.4	59.2	201	13	ADQ48089 Adq48089 Myocardia
	348	15.4	59.2	201	13	ADQ48092 Adq48092 Myocardia
	349	15.4	59.2	201	13	ADQ48213 Adq48213 Myocardia
	350	15.4	59.2	201	13	ADQ48199 Adq48199 Myocardia
	351	15.4	59.2	201	13	ADQ48281 Adq48281 Myocardia
	352	15.4	59.2	201	13	ADQ48113 Adq48113 Myocardia
	353	15.4	59.2	201	13	ADQ48280 Adq48280 Myocardia
	354	15.4	59.2	201	13	ADQ48161 Adq48161 Myocardia
	355	15.4	59.2	201	13	ADQ48320 Adq48320 Myocardia
c	356	15.4	59.2	252	11	ACH98724 Ach98724 Klebsiell
c	357	15.4	59.2	256	3	AAA10180 Aaa10180 Rat liver
c	358	15.4	59.2	256	4	AAS08123 Aas08123 Mammalian
c	359	15.4	59.2	257	6	ABN97392 Abn97392 Gene #389
c	360	15.4	59.2	279	2	AAQ77213 Aaq77213 Human gen
	361	15.4	59.2	282	8	ACD05582 Acd05582 cDNA enco
	362	15.4	59.2	287	12	ACH93924 Ach93924 Human gen
	363	15.4	59.2	306	3	AAZ53059 Aaz53059 Neisseria
	364	15.4	59.2	306	3	AAZ53060 Aaz53060 Neisseria
	365	15.4	59.2	315	5	ABA18519 Aba18519 Human ner
	366	15.4	59.2	318	3	AAZ53058 Aaz53058 Neisseria
	367	15.4	59.2	319	5	AAS80983 Aas80983 DNA encod
c	368	15.4	59.2	341	3	AAZ53034 Aaz53034 Neisseria
c	369	15.4	59.2	341	3	AAZ53035 Aaz53035 Neisseria
c	370	15.4	59.2	342	3	AAZ53033 Aaz53033 Neisseria
	371	15.4	59.2	343	8	ABX53252 Abx53252 Bovine ES
	372	15.4	59.2	350	5	AAH93999 Aah93999 Human foe
c	373	15.4	59.2	356	5	AAS66763 Aas66763 DNA encod
c	374	15.4	59.2	357	13	ACN54975 Acn54975 Cotton an
c	375	15.4	59.2	373	5	AAS66764 Aas66764 DNA encod
c	376	15.4	59.2	374	5	AAS79631 Aas79631 DNA encod
c	377	15.4	59.2	384	9	ACH29001 Ach29001 Human adu
	378	15.4	59.2	393	5	AAS92992 Aas92992 DNA encod
c	379	15.4	59.2	396	3	AAZ53038 Aaz53038 Neisseria
c	380	15.4	59.2	399	3	AAZ53036 Aaz53036 Neisseria
c	381	15.4	59.2	402	3	AAZ53037 Aaz53037 Neisseria
c	382	15.4	59.2	420	8	ABX41265 Abx41265 Bovine ES
	383	15.4	59.2	420	10	ADF58161 Adf58161 Human pol
c	384	15.4	59.2	424	4	AAK70917 Aak70917 Human imm
c	385	15.4	59.2	454	6	ABN73639 Abn73639 Bovine em

	386	15.4	59.2	463	9	ACH32252
c	387	15.4	59.2	468	9	ACH49500
c	388	15.4	59.2	471	8	ACA41649
	389	15.4	59.2	474	4	AAI15008
	390	15.4	59.2	474	4	ABA56741
	391	15.4	59.2	474	4	ABA46206
	392	15.4	59.2	474	4	AAK04872
	393	15.4	59.2	474	4	ABS30039
	394	15.4	59.2	474	6	ABS05006
	395	15.4	59.2	474	6	ABK77201
	396	15.4	59.2	510	5	AAS91839
	397	15.4	59.2	510	5	AAS76203
	398	15.4	59.2	510	5	AAS77307
	399	15.4	59.2	510	8	ACA47317
c	400	15.4	59.2	511	5	ABV60421
	401	15.4	59.2	511	6	ABQ27978
c	402	15.4	59.2	511	6	ABQ27979
	403	15.4	59.2	516	5	AAS71305
	404	15.4	59.2	516	5	AAS90826
c	405	15.4	59.2	519	5	ABV60404
	406	15.4	59.2	519	6	ABK78175
	407	15.4	59.2	522	13	ADQ79431
c	408	15.4	59.2	531	5	AAS90837
c	409	15.4	59.2	535	13	ADQ49256
	410	15.4	59.2	541	4	AAK73816
c	411	15.4	59.2	552	10	ABZ39100
	412	15.4	59.2	558	6	ABQ35422
c	413	15.4	59.2	558	6	ABQ35423
c	414	15.4	59.2	558	8	ACA39799
	415	15.4	59.2	578	6	ABQ19364
c	416	15.4	59.2	578	6	ABQ19365
c	417	15.4	59.2	589	6	ABQ59225
c	418	15.4	59.2	590	6	ABQ19607
	419	15.4	59.2	590	6	ABQ19606
	420	15.4	59.2	590	12	ACH80224
c	421	15.4	59.2	594	6	ABK78903
	422	15.4	59.2	595	12	ACH72567
c	423	15.4	59.2	606	5	AAS90839
	424	15.4	59.2	607	6	ABQ28670
c	425	15.4	59.2	607	6	ABQ28671
	426	15.4	59.2	611	4	AAH11932
c	427	15.4	59.2	620	6	ABQ39191
	428	15.4	59.2	620	6	ABQ39190
c	429	15.4	59.2	624	3	AAZ54423
	430	15.4	59.2	625	3	AAC52669
	431	15.4	59.2	627	12	ADJ42653
c	432	15.4	59.2	629	13	ADR63024
	433	15.4	59.2	632	11	ACN86529
c	434	15.4	59.2	644	13	ADQ78663
	435	15.4	59.2	645	5	ABV25266
c	436	15.4	59.2	651	6	ABQ34337
	437	15.4	59.2	651	6	ABQ34336
	438	15.4	59.2	666	5	AAS81407
c	439	15.4	59.2	668	6	ABQ70156
c	440	15.4	59.2	674	12	ADJ67487
	441	15.4	59.2	679	5	AAS90843
	442	15.4	59.2	686	6	ABX73098
	443	15.4	59.2	687	5	AAS65192
c	444	15.4	59.2	694	3	AAC54070
c	445	15.4	59.2	695	6	ABS62964
c	446	15.4	59.2	695	6	ABT11569
	447	15.4	59.2	714	5	AAH65956
	448	15.4	59.2	723	5	AAS87808
	449	15.4	59.2	735	4	AAH53693
c	450	15.4	59.2	744	5	AAS91761
	451	15.4	59.2	747	6	ABN92785
	452	15.4	59.2	747	13	ADS02882
c	453	15.4	59.2	753	6	ABS62928
c	454	15.4	59.2	753	6	ABT11407
c	455	15.4	59.2	753	6	ABT11533
c	456	15.4	59.2	753	11	ACH98660
c	457	15.4	59.2	754	6	ABS62833
	458	15.4	59.2	771	10	ACF67921

Ach32252 Human end
Ach49500 Human leu
Aca41649 Prokaryot
Aai15008 Probe #49
Aba56741 Human foe
Aba46206 Human bre
Aak04872 Human bra
Abs30039 Human liv
Abs05006 Human gen
Abk77201 Bacillus
Aas91839 DNA encod
Aas76203 DNA encod
Aas77307 DNA encod
Aca47317 Prokaryot
Abv60421 Human pro
Abq27978 Oligonucl
Abq27979 Oligonucl
Aas71305 DNA encod
Aas90826 DNA encod
Abv60404 Human pro
Abk78175 Bacillus
Adq79431 Novel can
Aas90837 DNA encod
Adq49256 Novel can
Aak73816 Human imm
Abz39100 N. gonorr
Abq35422 Oligonucl
Abq35423 Oligonucl
Aca39799 Prokaryot
Abq19364 Oligonucl
Abq19365 Oligonucl
Abq59225 Human col
Abq19607 Oligonucl
Abq19606 Oligonucl
Ach80224 Human gen
Abk78903 Bacillus
Ach72567 Human gen
Aas90839 DNA encod
Abq28670 Oligonucl
Abq28671 Oligonucl
Aah11932 Human cDN
Abq39191 Oligonucl
Abq39190 Oligonucl
Aaz54423 Neisseria
Aac52669 Arabidops
Adj42653 Plant cDN
Adr63024 Cotton cD
Acn86529 Breast ca
Adq78663 Novel can
Abv25266 Human pro
Abq34337 Oligonucl
Abq34336 Oligonucl
Aas81407 DNA encod
Abq70156 Listeria
Adj67487 Human ova
Aas90843 DNA encod
Abx73098 Rat varia
Aas65192 DNA encod
Aac54070 Arabidops
Abs62964 Selected
Abt11569 Yeast sel
Aah65956 C glutami
Aas87808 DNA encod
Aah53693 S. epider
Aas91761 DNA encod
Abn92785 Staphyloc
Ads02882 Staphyloc
Abs62928 Selected
Abt11407 Yeast sel
Abt11533 Yeast sel
Ach98660 Klebsiell
Abs62833 Selected
Acf67921 Photorhab

	459	15.4	59.2	780	9	ADA30618
	460	15.4	59.2	781	3	AAF13338
c	461	15.4	59.2	791	4	AAF22871
	462	15.4	59.2	795	5	AAS87819
c	463	15.4	59.2	795	12	ADO63448
	464	15.4	59.2	804	10	ADH84916
	465	15.4	59.2	808	2	AAQ26089
	466	15.4	59.2	808	2	AAQ42524
c	467	15.4	59.2	823	4	AAK53435
	468	15.4	59.2	831	5	AAS77634
	469	15.4	59.2	831	5	AAS71504
	470	15.4	59.2	840	8	ABS55920
c	471	15.4	59.2	843	8	ACA39528
c	472	15.4	59.2	882	11	ABD00474
c	473	15.4	59.2	912	12	ADJ48067
	474	15.4	59.2	919	11	ACN91897
	475	15.4	59.2	922	11	ACN92854
c	476	15.4	59.2	927	9	ADB06279
c	477	15.4	59.2	927	9	ADB06277
c	478	15.4	59.2	928	8	ABZ51674
c	479	15.4	59.2	930	8	ACA36490
	480	15.4	59.2	933	5	AAS81410
	481	15.4	59.2	939	8	ACA39830
c	482	15.4	59.2	943	6	ABS62836
c	483	15.4	59.2	943	6	ABT11410
c	484	15.4	59.2	946	5	AAS90844
	485	15.4	59.2	948	5	AAS83327
c	486	15.4	59.2	962	4	AAS33196
c	487	15.4	59.2	963	5	AAS74845
c	488	15.2	58.5	111	3	AAA94743
c	489	15.2	58.5	119	4	AAK50250
	490	15.2	58.5	129	10	ADF38645
	491	15.2	58.5	160	12	ADH00445
c	492	15.2	58.5	175	8	ABZ18917
	493	15.2	58.5	198	10	ADE49705
	494	15.2	58.5	198	10	ADE83956
	495	15.2	58.5	216	2	AAV89434
	496	15.2	58.5	235	2	AAV87589
c	497	15.2	58.5	254	7	ADS67567
c	498	15.2	58.5	262	7	ADS66263
	499	15.2	58.5	265	5	ABV50154
c	500	15.2	58.5	310	4	AAH99245
	501	15.2	58.5	317	5	ABA15087
	502	15.2	58.5	326	5	ABA11336
c	503	15.2	58.5	328	3	AAC74563
c	504	15.2	58.5	328	6	ABN20079
c	505	15.2	58.5	354	6	ABL69528
	506	15.2	58.5	369	3	AAA43593
c	507	15.2	58.5	412	8	ABX51277
	508	15.2	58.5	415	3	AAC44318
c	509	15.2	58.5	415	8	ABX51747
	510	15.2	58.5	427	10	ADB51719
	511	15.2	58.5	443	3	AAC06804
c	512	15.2	58.5	448	3	AAC43617
c	513	15.2	58.5	483	11	ACH97750
	514	15.2	58.5	487	2	AAT12955
	515	15.2	58.5	487	2	AAZ10455
	516	15.2	58.5	487	3	AAA73378
c	517	15.2	58.5	487	10	ADB51186
c	518	15.2	58.5	489	10	ADG37547
c	519	15.2	58.5	496	5	ABV48168
	520	15.2	58.5	507	3	AAC57414
	521	15.2	58.5	526	12	ACH68176
c	522	15.2	58.5	527	6	ABT08111
c	523	15.2	58.5	527	12	ADH50097
	524	15.2	58.5	535	10	ADF80260
c	525	15.2	58.5	536	6	ABA03449
c	526	15.2	58.5	537	13	ACN48052
	527	15.2	58.5	540	10	AAD60646
	528	15.2	58.5	540	12	ACH79161
c	529	15.2	58.5	549	6	ABN61809
	530	15.2	58.5	549	6	ABK93161
c	531	15.2	58.5	551	9	ACH22273

Ada30618 DNA encod
Aaf13338 Aspergill
Aaf22871 Human pro
Aas87819 DNA encod
Ado63448 Transcrip
Adh84916 Enterococ
Aaq26089 Encodes c
Aaq42524 Chicken e
Aak53435 Human pol
Aas77634 DNA encod
Aas71504 DNA encod
Abs55920 DNA plasm
Aca39528 Prokaryot
Abd00474 Klebsiell
Adj48067 Maize oil
Acn91897 Breast ca
Acn92854 Breast ca
Adb06279 Alloiococ
Adb06277 Alloiococ
Abz51674 Aspergill
Aca36490 Prokaryot
Aas81410 DNA encod
Aca39830 Prokaryot
Abs62836 Selected
Abt11410 Yeast sel
Aas90844 DNA encod
Aas83327 DNA encod
Aas33196 DNA encod
Aas74845 DNA encod
Aaa94743 Chicken H
Aak50250 Human bon
Adf38645 Synchroni
Adh00445 Kidney di
Abz18917 Group III
Ade49705 Maize inc
Ade83956 Maize EG3
Aav89434 EST clone
Aav87589 EST clone
Ads67567 Corn seed
Ads66263 Corn seed
Abv50154 Human pro
Aah99245 Human pro
Aba15087 Human ner
Aba11336 Human ner
Aac74563 Human ORF
Abn20079 Human ORF
Abl69528 Prostate
Aaa43593 Mouse sec
Abx51277 Bovine ES
Aac44318 Arabidops
Abx51747 Bovine ES
Adb51719 Primary r
Aac06804 Human sec
Aac43617 Arabidops
Ach97750 Klebsiell
Aat12955 AcaNAP31.
Aaz10455 cDNA enco
Aaa73378 A. caninu
Adb51186 Primary r
Adg37547 Aspergill
Abv48168 Human pro
Aac57414 Arachidon
Ach68176 Human gen
Abt08111 Myb-relat
Adh50097 Maize Myb
Adf80260 Leukaemia
Aba03449 Arxula ad
Acn48052 Cotton pr
Aad60646 Pseudomon
Ach79161 Human gen
Abn61809 Human can
Abk93161 Human pro
Ach22273 Human adu

c 532	15.2	58.5	558	13	ACN47288	Acn47288 Cotton pr
533	15.2	58.5	561	2	AAX20491	Aax20491 Human sec
534	15.2	58.5	561	8	ADA40122	Ada40122 Human sec
535	15.2	58.5	561	9	ADB91265	Adb91265 Human sec
536	15.2	58.5	561	10	ADD90275	Add90275 Novel hum
537	15.2	58.5	561	10	ADG90094	Adg90094 Human cDN
c 538	15.2	58.5	571	4	AAK37369	Aak37369 Human bon
539	15.2	58.5	574	6	ABK93162	Abk93162 Human pro
540	15.2	58.5	582	2	AAV00671	Aav00671 Hepatitis
c 541	15.2	58.5	588	5	AAH94400	Aah94400 Human foe
542	15.2	58.5	588	12	ACH76423	Ach76423 Human gen
543	15.2	58.5	590	11	ADJ38046	Adj38046 Saccharom
544	15.2	58.5	590	12	ADH80133	Adh80133 S. cerevi
545	15.2	58.5	596	10	ADB49570	Adb49570 Primary r
546	15.2	58.5	596	10	ABT40334	Abt40334 Toxicity
c 547	15.2	58.5	627	4	ABL23497	Abl23497 Drosophil
548	15.2	58.5	631	3	AAC39895	Aac39895 Arabidops
c 549	15.2	58.5	641	6	ABQ66035	Abq66035 Arabidops
c 550	15.2	58.5	642	10	ADF00279	Adf00279 Bacterial
c 551	15.2	58.5	651	4	AAH03239	Aah03239 Human cDN
552	15.2	58.5	654	8	ACC60403	Acc60403 Rice leaf
553	15.2	58.5	690	8	ACA45752	Aca45752 Prokaryot
c 554	15.2	58.5	696	6	ABN92097	Abn92097 Staphyloc
c 555	15.2	58.5	696	13	ADS01736	Ads01736 Staphyloc
556	15.2	58.5	707	2	AAT12958	Aat12958 AcaNAP47.
557	15.2	58.5	707	2	AAZ10458	Aaz10458 cDNA enco
558	15.2	58.5	707	3	AAA73381	Aaa73381 A. caninu
c 559	15.2	58.5	734	3	AAC81059	Aac81059 Human sec
560	15.2	58.5	748	12	ADO63512	Ado63512 Transcrip
561	15.2	58.5	771	8	ACA46161	Aca46161 Prokaryot
562	15.2	58.5	822	5	AAS73444	Aas73444 DNA encod
563	15.2	58.5	828	8	AAD51356	Aad51356 Soybean c
564	15.2	58.5	846	2	AAX25129	Aax25129 Soybean c
565	15.2	58.5	846	3	AAA38424	Aaa38424 Soybean c
566	15.2	58.5	846	10	ADJ32830	Adj32830 Soybean c
567	15.2	58.5	873	6	ABK79374	Abk79374 Bacillus
c 568	15.2	58.5	905	8	ACA21986	Aca21986 Prokaryot
569	15.2	58.5	907	13	ADR26756	Adr26756 Breast ca
570	15.2	58.5	927	4	AAH32077	Aah32077 Human olf
571	15.2	58.5	930	6	ABZ43012	Abz43012 Human GPC
572	15.2	58.5	930	6	ABK68458	Abk68458 Human DNA
c 573	15.2	58.5	944	3	AAZ45494	Aaz45494 Nucleotid
574	15.2	58.5	945	6	ABL55954	Abl55954 Human G-p
575	15.2	58.5	945	10	ADD18115	Add18115 Human G-p
576	15.2	58.5	947	6	ABQ49016	Abq49016 Oligonucl
c 577	15.2	58.5	947	6	ABQ49017	Abq49017 Oligonucl
578	15.2	58.5	947	6	ABQ23150	Abq23150 Oligonucl
c 579	15.2	58.5	947	6	ABQ23151	Abq23151 Oligonucl
580	15.2	58.5	947	6	ABQ88412	Abq88412 Human G p
581	15.2	58.5	947	10	ADI04360	Adi04360 Human G-p
c 582	15.2	58.5	949	4	AAH99584	Aah99584 Human pro
583	15.2	58.5	950	6	ABS58764	Abs58764 Human G-p
c 584	15.2	58.5	963	4	AAI97687	Aai97687 Human neu
c 585	15.2	58.5	963	8	ABT43067	Abt43067 Human neu
586	15.2	58.5	984	8	ACA36480	Aca36480 Prokaryot
587	15	57.7	50	6	ABZ02655	Abz02655 Human leu
588	15	57.7	150	2	AAV76863	Aav76863 Staphyloc
589	15	57.7	158	3	AAZ49201	Aaz49201 Grapevine
c 590	15	57.7	169	4	AAK67614	Aak67614 Human imm
c 591	15	57.7	169	4	AAK67613	Aak67613 Human imm
592	15	57.7	180	7	ADS66034	Ads66034 Corn seed
c 593	15	57.7	213	12	ADL03542	Adl03542 DNA encod
594	15	57.7	222	10	ADF02373	Adf02373 Bacterial
595	15	57.7	249	4	ABA08573	Aba08573 Human dru
c 596	15	57.7	255	5	AAH82206	Aah82206 Rat diffe
c 597	15	57.7	261	8	ABX55069	Abx55069 Bovine ES
598	15	57.7	261	10	ABZ41578	Abz41578 N. gonorr
c 599	15	57.7	269	5	ABV17308	Abv17308 Human pro
600	15	57.7	305	3	AAC52588	Aac52588 Arabidops
c 601	15	57.7	317	6	ABV94010	Abv94010 Breast ca
c 602	15	57.7	345	4	AAL17304	Aal17304 Human bre
c 603	15	57.7	345	4	AAL09415	Aal09415 Human bre
c 604	15	57.7	346	10	ABX61136	Abx61136 Arabidops
605	15	57.7	347	6	ABL62540	Abl62540 Colon ade
c 606	15	57.7	351	11	ABD00431	Abd00431 Klebsiell
c 607	15	57.7	352	5	AAS86595	Aas86595 DNA encod
608	15	57.7	355	6	ABL85220	Abl85220 Human ova
609	15	57.7	359	5	AAH87856	Aah87856 Peppermin
610	15	57.7	361	11	ADT97081	Adt97081 Colon can
c 611	15	57.7	368	4	AAI24362	Aai24362 Probe #14
c 612	15	57.7	368	4	ABA69504	Aba69504 Human foe
c 613	15	57.7	368	4	AAI49632	Aai49632 Probe #18
c 614	15	57.7	368	4	ABA51476	Aba51476 Human bre
c 615	15	57.7	368	4	ABA36426	Aba36426 Probe #14
c 616	15	57.7	368	4	AAK43575	Aak43575 Human bon
c 617	15	57.7	368	4	AAK17756	Aak17756 Human bra
c 618	15	57.7	368	4	ABS43220	Abs43220 Human liv
c 619	15	57.7	368	5	AAI09901	Aai09901 Probe #98
c 620	15	57.7	368	6	ABS17728	Abs17728 Human gen
621	15	57.7	368	6	ABL83377	Abl83377 Human ova
c 622	15	57.7	369	6	ABL80092	Abl80092 Human ova
623	15	57.7	372	2	AAV87052	Aav87052 EST clone
624	15	57.7	375	4	AAS37319	Aas37319 Novel hum
c 625	15	57.7	376	4	AAI15182	Aai15182 Probe #51
c 626	15	57.7	376	4	ABA56940	Aba56940 Human foe
c 627	15	57.7	376	4	AAI36510	Aai36510 Probe #51
c 628	15	57.7	376	4	ABA46374	Aba46374 Human bre
c 629	15	57.7	376	4	ABA26552	Aba26552 Probe #50
c 630	15	57.7	376	4	AAK30565	Aak30565 Human bon
c 631	15	57.7	376	4	AAK05035	Aak05035 Human bra
c 632	15	57.7	376	4	ABS30230	Abs30230 Human liv
c 633	15	57.7	376	5	AAI04922	Aai04922 Probe #49
c 634	15	57.7	376	6	ABS05225	Abs05225 Human gen
635	15	57.7	380	5	ABV46035	Abv46035 Human pro
636	15	57.7	384	10	ADK55336	Adk55336 Plant DNA
637	15	57.7	387	5	ABA11647	Aba11647 Human ner
638	15	57.7	396	10	ABZ41581	Abz41581 N. gonorr
639	15	57.7	402	4	AAL10785	Aal10785 Human bre
640	15	57.7	402	5	AAS90371	Aas90371 DNA encod
c 641	15	57.7	407	10	ABX60997	Abx60997 Arabidops
c 642	15	57.7	408	11	ACN79616	Acn79616 Breast ca
c 643	15	57.7	413	12	ADL10477	Adl10477 Cat flea
c 644	15	57.7	417	5	ABV47103	Abv47103 Human pro
645	15	57.7	418	12	ADJ38224	Adj38224 Plastid d
c 646	15	57.7	424	6	ABL87910	Abl87910 Human ova
c 647	15	57.7	424	6	ABL84355	Abl84355 Human ova
c 648	15	57.7	427	3	AAC94554	Aac94554 Cat flea
c 649	15	57.7	430	11	ACN89392	Acn89392 Breast ca
c 650	15	57.7	436	4	AAL07964	Aal07964 Human bre
c 651	15	57.7	438	4	AAL17298	Aal17298 Human bre
652	15	57.7	441	5	AAH65644	Aah65644 C glutami
653	15	57.7	441	10	ADD20252	Add20252 Oreochrom
c 654	15	57.7	442	4	AAL25710	Aal25710 Human bre
655	15	57.7	450	9	ACH22119	Ach22119 Human adu
c 656	15	57.7	460	4	AAL09409	Aal09409 Human bre
657	15	57.7	461	6	ABN73601	Abn73601 Bovine em
658	15	57.7	465	3	AAC00916	Aac00916 Human sec
c 659	15	57.7	465	9	ACH41354	Ach41354 Human foe
c 660	15	57.7	469	11	ACN79610	Acn79610 Breast ca
c 661	15	57.7	469	13	ADR65302	Adr65302 Cotton cD
c 662	15	57.7	475	4	ABA57108	Aba57108 Human foe
c 663	15	57.7	476	9	ACH38451	Ach38451 Human end
c 664	15	57.7	485	6	ABL83738	Abl83738 Human ova
665	15	57.7	486	6	ABK79376	Abk79376 Bacillus
c 666	15	57.7	486	10	ADE82006	Ade82006 Arabidops
c 667	15	57.7	489	4	AAL18105	Aal18105 Human bre
c 668	15	57.7	490	8	ACF03928	Acf03928 Rice endo
c 669	15	57.7	491	9	ACH13896	Ach13896 Human adu
670	15	57.7	495	6	ABN96729	Abn96729 Gene #322
c 671	15	57.7	500	6	ABQ16889	Abq16889 Oligonucl
672	15	57.7	500	6	ABQ16888	Abq16888 Oligonucl
c 673	15	57.7	503	9	ACH33614	Ach33614 Human end
c 674	15	57.7	504	9	ACH36354	Ach36354 Human end
675	15	57.7	511	13	ACN54451	Acn54451 Cotton an
676	15	57.7	513	6	ABK79516	Abk79516 Bacillus
c 677	15	57.7	515	4	AAH29364	Aah29364 Drosophil

c 678	15	57.7	521	6	ABQ56505	Abq56505 Human col
679	15	57.7	522	10	ABX57640	Abx57640 Arabidops
c 680	15	57.7	526	3	AAZ53298	Aaz53298 Neisseria
c 681	15	57.7	528	5	AAS68491	Aas68491 DNA encod
c 682	15	57.7	534	11	ABD16775	Abd16775 Pseudomon
c 683	15	57.7	537	12	ADJ43947	Adj43947 Plant cDN
684	15	57.7	547	8	ABZ55068	Abz55068 Aspergill
c 685	15	57.7	547	13	ACN46721	Acn46721 Cotton pr
c 686	15	57.7	552	12	ACH76696	Ach76696 Human gen
687	15	57.7	564	4	AAF71985	Aaf71985 Corynebac
688	15	57.7	576	3	AAF08615	Aaf08615 Fusarium
c 689	15	57.7	582	5	AAS90613	Aas90613 DNA encod
c 690	15	57.7	585	5	AAS90373	Aas90373 DNA encod
c 691	15	57.7	593	5	AAS66708	Aas66708 DNA encod
c 692	15	57.7	595	5	ABV53070	Abv53070 Human pro
693	15	57.7	600	5	ABV59206	Abv59206 Human pro
694	15	57.7	607	13	ADQ78494	Adq78494 Novel can
695	15	57.7	617	6	AAL39683	Aal39683 Human sec
c 696	15	57.7	617	6	AAL39644	Aal39644 Human sec
c 697	15	57.7	621	5	AAS68487	Aas68487 DNA encod
698	15	57.7	622	12	ADJ38226	Adj38226 Plastid d
699	15	57.7	629	6	ABQ66132	Abq66132 Arabidops
700	15	57.7	637	4	AAL17860	Aal17860 Human bre
701	15	57.7	638	6	ABQ66056	Abq66056 Arabidops
c 702	15	57.7	639	10	ADB50426	Adb50426 Primary r
703	15	57.7	642	3	AAC49143	Aac49143 Arabidops
704	15	57.7	643	3	AAC48557	Aac48557 Arabidops
c 705	15	57.7	652	6	ABQ30525	Abq30525 Oligonucl
706	15	57.7	652	6	ABQ30524	Abq30524 Oligonucl
707	15	57.7	653	3	AAC33087	Aac33087 Arabidops
c 708	15	57.7	654	5	AAS84631	Aas84631 DNA encod
c 709	15	57.7	654	6	ABX66713	Abx66713 Helicobac
710	15	57.7	657	6	ABK77165	Abk77165 Bacillus
c 711	15	57.7	663	5	AAS91943	Aas91943 DNA encod
712	15	57.7	672	6	ABQ36304	Abq36304 Oligonucl
c 713	15	57.7	672	6	ABQ36305	Abq36305 Oligonucl
c 714	15	57.7	686	12	ADL35535	Adl35535 Human kar
715	15	57.7	687	6	ABQ65735	Abq65735 Arabidops
716	15	57.7	699	6	ABQ30520	Abq30520 Oligonucl
c 717	15	57.7	699	6	ABQ30521	Abq30521 Oligonucl
c 718	15	57.7	703	4	AAK82122	Aak82122 Human imm
c 719	15	57.7	703	5	ABA20338	Aba20338 Human ner
720	15	57.7	703	11	ACN80982	Acn80982 Breast ca
c 721	15	57.7	705	10	ACF67607	Acf67607 Photorhab
722	15	57.7	706	8	ABZ55679	Abz55679 Aspergill
723	15	57.7	709	3	AAC33772	Aac33772 Arabidops
724	15	57.7	711	3	AAC48555	Aac48555 Arabidops
c 725	15	57.7	720	6	ABS76866	Abs76866 Frog embr
c 726	15	57.7	726	5	AAS86003	Aas86003 DNA encod
c 727	15	57.7	729	5	AAS68477	Aas68477 DNA encod
c 728	15	57.7	744	4	AAS33227	Aas33227 DNA encod
729	15	57.7	745	5	AAS81756	Aas81756 DNA encod
c 730	15	57.7	753	5	AAS68486	Aas68486 DNA encod
731	15	57.7	757	11	ACN89906	Acn89906 Breast ca
c 732	15	57.7	759	3	AAC66040	Aac66040 E. coli Y
c 733	15	57.7	759	3	AAA88698	Aaa88698 E. coli F
c 734	15	57.7	759	3	AAA95471	Aaa95471 E. coli e
c 735	15	57.7	759	4	AAS52562	Aas52562 E. coli D
736	15	57.7	759	5	AAH65827	Aah65827 C glutami
c 737	15	57.7	759	8	ACA32625	Aca32625 Prokaryot
c 738	15	57.7	768	3	AAZ53472	Aaz53472 Neisseria
c 739	15	57.7	771	5	AAS68484	Aas68484 DNA encod
740	15	57.7	786	4	AAH32434	Aah32434 Human olf
c 741	15	57.7	786	8	ACA21615	Aca21615 Prokaryot
c 742	15	57.7	789	4	AAL17914	Aal17914 Human bre
c 743	15	57.7	789	5	AAS64759	Aas64759 DNA encod
744	15	57.7	798	5	AAS70950	Aas70950 DNA encod
745	15	57.7	798	5	AAS69748	Aas69748 DNA encod
746	15	57.7	799	5	AAS83798	Aas83798 DNA encod
747	15	57.7	804	3	AAC35682	Aac35682 Arabidops
748	15	57.7	804	13	ADS48124	Ads48124 Bacterial
c 749	15	57.7	807	5	AAS74478	Aas74478 DNA encod
c 750	15	57.7	807	5	AAS74857	Aas74857 DNA encod
c 751	15	57.7	817	4	AAI95999	Aai95999 Human neu
752	15	57.7	818	3	AAC59454	Aac59454 Human sec
753	15	57.7	820	4	AAL17942	Aal17942 Human bre
c 754	15	57.7	824	3	AAF13951	Aaf13951 Aspergill
755	15	57.7	826	2	AAX13393	Aax13393 Enterococ
756	15	57.7	826	6	ABS99188	Abs99188 Enterococ
757	15	57.7	836	11	ACN44461	Acn44461 Mouse mRN
c 758	15	57.7	840	11	ACN86780	Acn86780 Breast ca
c 759	15	57.7	843	5	AAS78677	Aas78677 DNA encod
760	15	57.7	843	5	AAS72761	Aas72761 DNA encod
c 761	15	57.7	843	5	AAS92439	Aas92439 DNA encod
762	15	57.7	846	8	ACF74612	Acf74612 Staphyloc
c 763	15	57.7	851	5	AAS92113	Aas92113 DNA encod
764	15	57.7	853	10	ADC86580	Adc86580 Human GPC
765	15	57.7	854	12	ADQ08717	Adq08717 Ciona int
c 766	15	57.7	858	5	AAS77603	Aas77603 DNA encod
c 767	15	57.7	858	5	AAS77416	Aas77416 DNA encod
c 768	15	57.7	859	6	ABN98835	Abn98835 Arabidops
c 769	15	57.7	861	11	ACH99483	Ach99483 Klebsiell
770	15	57.7	867	4	ABL10077	Abl10077 Drosophil
c 771	15	57.7	867	5	AAS68480	Aas68480 DNA encod
772	15	57.7	881	4	AAL17568	Aal17568 Human bre
773	15	57.7	882	4	AAF71734	Aaf71734 Corynebac
774	15	57.7	882	8	ACA41328	Aca41328 Prokaryot
775	15	57.7	884	4	AAL10492	Aal10492 Human bre
c 776	15	57.7	885	5	AAS90372	Aas90372 DNA encod
c 777	15	57.7	885	5	AAS69859	Aas69859 DNA encod
778	15	57.7	891	6	ABZ11943	Abz11943 Human pol
779	15	57.7	891	12	ADM44461	Adm44461 Novel hum
780	15	57.7	894	5	AAS74861	Aas74861 DNA encod
781	15	57.7	894	10	AAD55035	Aad55035 Alstroeme
782	15	57.7	900	5	AAS74477	Aas74477 DNA encod
783	15	57.7	900	13	ADS57484	Ads57484 Bacterial
784	15	57.7	900	13	ADS57265	Ads57265 Bacterial
c 785	15	57.7	903	4	ABL13665	Abl13665 Drosophil
c 786	15	57.7	905	6	ABQ36277	Abq36277 Oligonucl
787	15	57.7	905	6	ABQ36276	Abq36276 Oligonucl
c 788	15	57.7	915	5	AAS90376	Aas90376 DNA encod
c 789	15	57.7	917	6	ABQ48075	Abq48075 Oligonucl
790	15	57.7	917	6	ABQ48074	Abq48074 Oligonucl
c 791	15	57.7	918	4	AAS33354	Aas33354 DNA encod
792	15	57.7	918	13	ADT42857	Adt42857 Bacterial
c 793	15	57.7	921	5	AAS68488	Aas68488 DNA encod
794	15	57.7	930	10	ADF58381	Adf58381 Human pol
795	15	57.7	931	4	AAK51784	Aak51784 Human pol
c 796	15	57.7	936	5	AAS77407	Aas77407 DNA encod
c 797	15	57.7	937	5	AAS86051	Aas86051 DNA encod
798	15	57.7	940	11	ACN80690	Acn80690 Breast ca
799	15	57.7	942	5	AAS77916	Aas77916 DNA encod
c 800	15	57.7	945	5	AAS74860	Aas74860 DNA encod
c 801	15	57.7	945	5	AAS68490	Aas68490 DNA encod
802	15	57.7	945	5	AAS74488	Aas74488 DNA encod
c 803	15	57.7	947	5	AAS90374	Aas90374 DNA encod
804	15	57.7	948	5	AAS74479	Aas74479 DNA encod
805	15	57.7	968	8	ACA31731	Aca31731 Prokaryot
806	15	57.7	970	10	ADE62745	Ade62745 Human gen
807	15	57.7	970	10	ADE62749	Ade62749 Human gen
808	15	57.7	970	10	ADD46255	Add46255 Human gen
c 809	15	57.7	975	5	AAS74484	Aas74484 DNA encod
c 810	15	57.7	975	5	AAS85864	Aas85864 DNA encod
c 811	15	57.7	975	5	AAS68481	Aas68481 DNA encod
c 812	15	57.7	978	10	ADF02316	Adf02316 Bacterial
c 813	15	57.7	985	13	ADS10446	Ads10446 Human the
814	15	57.7	987	5	AAS74481	Aas74481 DNA encod
c 815	15	57.7	987	5	AAS69629	Aas69629 DNA encod
c 816	14.8	56.9	29	4	AAI67458	Aai67458 Probe seq
817	14.8	56.9	42	6	AAL48377	Aal48377 Cytohesin
818	14.8	56.9	60	6	ABN43088	Abn43088 Human spl
819	14.8	56.9	96	6	AAL48335	Aal48335 Cytohesin
820	14.8	56.9	100	8	ACD77979	Acd77979 E. coli K
821	14.8	56.9	100	8	ACD77978	Acd77978 E. coli K
c 822	14.8	56.9	121	12	ADK91805	Adk91805 Polynucle
823	14.8	56.9	147	2	AAX12839	Aax12839 Human bia

	824	14.8	56.9	147	2	AAX11669 Aax11669 Human bia
c	825	14.8	56.9	147	13	ADS00921 Ads00921 Staphyloc
c	826	14.8	56.9	166	12	ACH88236 Ach88236 Human gen
	827	14.8	56.9	171	10	ABZ38513 Abz38513 N. gonorr
	828	14.8	56.9	173	4	AAI27430 Aai27430 Probe #17
	829	14.8	56.9	173	4	ABA75733 Aba75733 Human foe
	830	14.8	56.9	173	4	AAI56351 Aai56351 Probe #25
	831	14.8	56.9	173	4	ABA40313 Aba40313 Probe #18
	832	14.8	56.9	173	4	AAK50370 Aak50370 Human bon
	833	14.8	56.9	173	4	AAK24361 Aak24361 Human bra
	834	14.8	56.9	173	4	ABS50020 Abs50020 Human liv
	835	14.8	56.9	175	12	ADH00265 Adh00265 Kidney di
c	836	14.8	56.9	178	4	AAK80888 Aak80888 Human imm
c	837	14.8	56.9	178	4	AAK80889 Aak80889 Human imm
c	838	14.8	56.9	180	1	AAN50487 Aan50487 Hybrid ge
	839	14.8	56.9	180	2	AAV89950 Aav89950 EST clone
c	840	14.8	56.9	206	8	ABZ18619 Abz18619 Group III
c	841	14.8	56.9	209	4	AAI21634 Aai21634 Probe #11
c	842	14.8	56.9	209	4	ABA66717 Aba66717 Human foe
c	843	14.8	56.9	209	4	AAI46923 Aai46923 Probe #15
c	844	14.8	56.9	209	4	ABA48799 Aba48799 Human bre
c	845	14.8	56.9	209	4	ABA33774 Aba33774 Probe #12
c	846	14.8	56.9	209	4	AAK40871 Aak40871 Human bon
c	847	14.8	56.9	209	4	AAK15141 Aak15141 Human bra
c	848	14.8	56.9	209	4	ABS40449 Abs40449 Human liv
c	849	14.8	56.9	209	5	AAI07328 Aai07328 Probe #73
c	850	14.8	56.9	209	6	ABS14827 Abs14827 Human gen
	851	14.8	56.9	229	2	AAZ12092 Neisseria
	852	14.8	56.9	229	3	AAA81353 Aaa81353 N. mening
	853	14.8	56.9	234	6	ABK80517 Abk80517 Bacillus
	854	14.8	56.9	237	2	AAT67600 Aat67600 H. pylori
	855	14.8	56.9	275	6	ABL73336 Abl73336 Corn tass
c	856	14.8	56.9	300	2	AAZ14510 Aaz14510 Human gen
c	857	14.8	56.9	300	2	AAZ14573 Aaz14573 Human gen
	858	14.8	56.9	303	7	ADS72986 Ads72986 Human kid
	859	14.8	56.9	327	4	AAK64868 Aak64868 Human imm
	860	14.8	56.9	329	13	ADR60977 Adr60977 Cotton cD
	861	14.8	56.9	331	4	AAK64867 Aak64867 Human imm
c	862	14.8	56.9	351	4	ABL22249 Abl22249 Drosophil
c	863	14.8	56.9	381	5	AAS71262 Aas71262 DNA encod
c	864	14.8	56.9	381	9	ACH33890 Ach33890 Human end
	865	14.8	56.9	386	3	AAH30916 Aah30916 Human col
c	866	14.8	56.9	388	2	AAV31982 Aav31982 Human Dow
c	867	14.8	56.9	389	6	ABK80103 Abk80103 Bacillus
c	868	14.8	56.9	397	9	ACH15706 Ach15706 Human adu
	869	14.8	56.9	399	13	ADR61441 Adr61441 Cotton cD
c	870	14.8	56.9	404	4	AAL23689 Aal23689 Human bre
	871	14.8	56.9	406	4	AAI86984 Aai86984 Human pol
c	872	14.8	56.9	412	4	AAS37733 Aas37733 Novel hum
c	873	14.8	56.9	413	4	AAH88165 Aah88165 CNS disor
c	874	14.8	56.9	415	4	AAL14827 Aal14827 Human bre
	875	14.8	56.9	426	6	ABK75303 Abk75303 Bacillus
c	876	14.8	56.9	432	8	ABX48116 Abx48116 Bovine ES
	877	14.8	56.9	433	3	AAA79403 Aaa79403 Eucalyptu
	878	14.8	56.9	441	3	AAC69736 Aac69736 Human bre
	879	14.8	56.9	441	8	ACF73547 Acf73547 Staphyloc
c	880	14.8	56.9	444	10	ADC75538 Adc75538 DNA homol
c	881	14.8	56.9	447	8	ABX41524 Abx41524 Bovine ES
c	882	14.8	56.9	450	3	AAC09662 Aac09662 Human sec
c	883	14.8	56.9	461	9	ACH16555 Ach16555 Human adu
	884	14.8	56.9	464	9	ACH15052 Ach15052 Human adu
c	885	14.8	56.9	465	4	ABA58496 Aba58496 Human foe
c	886	14.8	56.9	465	4	AAI38153 Aai38153 Probe #68
c	887	14.8	56.9	465	4	ABA27557 Aba27557 Probe #60
c	888	14.8	56.9	465	4	AAK32301 Aak32301 Human bon
c	889	14.8	56.9	465	4	AAK06609 Aak06609 Human bra
c	890	14.8	56.9	465	4	ABS32007 Abs32007 Human liv
	891	14.8	56.9	465	5	AAH87784 Aah87784 Peppermin
c	892	14.8	56.9	465	6	ABS07080 Abs07080 Human gen
c	893	14.8	56.9	473	13	ACN51956 Acn51956 Cotton an
	894	14.8	56.9	475	9	ACH43514 Ach43514 Human foe
c	895	14.8	56.9	479	10	ABX60813 Abx60813 Arabidops
c	896	14.8	56.9	481	4	AAI11571 Aai11571 Probe #15
c	897	14.8	56.9	481	4	ABA53257 Aba53257 Human foe
c	898	14.8	56.9	481	4	AAI32859 Aai32859 Probe #15
c	899	14.8	56.9	481	4	ABA42835 Aba42835 Human bre
c	900	14.8	56.9	481	4	ABA23033 Aba23033 Probe #14
c	901	14.8	56.9	481	4	AAK26961 Aak26961 Human bon
c	902	14.8	56.9	481	4	AAK01514 Aak01514 Human bra
c	903	14.8	56.9	481	4	ABS26546 Abs26546 Human liv
c	904	14.8	56.9	481	5	AAI01493 Aai01493 Probe #14
	905	14.8	56.9	483	3	AAC28382 Aac28382 Human sec
	906	14.8	56.9	486	2	AAZ12094 Neisseria
	907	14.8	56.9	486	2	AAZ12093 Neisseria
	908	14.8	56.9	487	3	AAZ44374 Aaz44374 Human G p
	909	14.8	56.9	490	10	AAL55213 Aal55213 Human clo
	910	14.8	56.9	495	3	AAA81437 Aaa81437 N. mening
	911	14.8	56.9	495	9	ACH44291 Ach44291 Human foe
c	912	14.8	56.9	496	9	ACH25677 Ach25677 Human adu
c	913	14.8	56.9	498	4	AAI12441 Aai12441 Probe #23
c	914	14.8	56.9	498	4	ABA54150 Aba54150 Human foe
c	915	14.8	56.9	498	4	AAI33796 Aai33796 Probe #24
c	916	14.8	56.9	498	4	ABA43693 Aba43693 Human bre
c	917	14.8	56.9	498	4	ABA23894 Aba23894 Probe #23
c	918	14.8	56.9	498	4	AAK27864 Aak27864 Human bon
c	919	14.8	56.9	498	4	AAK02420 Aak02420 Human bra
c	920	14.8	56.9	498	4	ABS27445 Abs27445 Human liv
c	921	14.8	56.9	498	5	AAI02354 Aai02354 Probe #23
c	922	14.8	56.9	498	6	ABS02320 Abs02320 Human gen
	923	14.8	56.9	500	3	AAC95270 Aac95270 Cat flea
c	924	14.8	56.9	500	6	ABQ25791 Abq25791 Oligonucl
	925	14.8	56.9	500	6	ABQ25790 Abq25790 Oligonucl
	926	14.8	56.9	500	9	ACH21785 Ach21785 Human adu
c	927	14.8	56.9	503	6	ABQ21175 Abq21175 Oligonucl
	928	14.8	56.9	503	6	ABQ21174 Abq21174 Oligonucl
c	929	14.8	56.9	504	10	ADF51080 Adf51080 Human HN1
c	930	14.8	56.9	504	10	ADF03673 Adf03673 Bacterial
c	931	14.8	56.9	505	11	ACN84852 Acn84852 Breast ca
	932	14.8	56.9	507	4	AAS58395 Aas58395 cDNA #107
c	933	14.8	56.9	507	12	ACH80319 Ach80319 Human gen
c	934	14.8	56.9	510	10	ABZ40172 Abz40172 N. gonorr
c	935	14.8	56.9	512	4	AAI42481 Aai42481 Probe #11
c	936	14.8	56.9	512	4	AAK36714 Aak36714 Human bon
c	937	14.8	56.9	512	4	AAK10853 Aak10853 Human bra
c	938	14.8	56.9	512	4	ABS36374 Abs36374 Human liv
c	939	14.8	56.9	513	3	AAZ53761 Aaz53761 Neisseria
	940	14.8	56.9	516	10	ADC94005 Adc94005 E. faeciu
c	941	14.8	56.9	521	6	ABQ27455 Abq27455 Oligonucl
	942	14.8	56.9	521	6	ABQ27454 Abq27454 Oligonucl
c	943	14.8	56.9	524	13	ACN46848 Acn46848 Cotton pr
	944	14.8	56.9	528	6	ABQ33036 Abq33036 Oligonucl
c	945	14.8	56.9	528	6	ABQ33037 Abq33037 Oligonucl
	946	14.8	56.9	529	6	ABQ17216 Abq17216 Oligonucl
c	947	14.8	56.9	529	6	ABQ17217 Abq17217 Oligonucl
c	948	14.8	56.9	529	13	ACN46844 Acn46844 Cotton pr
	949	14.8	56.9	534	6	ABQ24824 Abq24824 Oligonucl
c	950	14.8	56.9	534	6	ABQ24825 Abq24825 Oligonucl
c	951	14.8	56.9	537	3	AAA48420 Aaa48420 Borrelia
	952	14.8	56.9	537	6	ABQ33782 Abq33782 Oligonucl
c	953	14.8	56.9	537	6	ABQ33783 Abq33783 Oligonucl
c	954	14.8	56.9	537	9	ADA38371 Ada38371 Lyme dise
	955	14.8	56.9	539	5	ADL63146 Adl63146 Human ova
	956	14.8	56.9	541	6	ABQ39476 Abq39476 Oligonucl
c	957	14.8	56.9	541	6	ABQ39477 Abq39477 Oligonucl
c	958	14.8	56.9	548	6	ABQ38511 Abq38511 Oligonucl
	959	14.8	56.9	548	6	ABQ38510 Abq38510 Oligonucl
c	960	14.8	56.9	555	13	ACN62248 Acn62248 Cotton gy
c	961	14.8	56.9	557	6	ABQ51249 Abq51249 Oligonucl
	962	14.8	56.9	557	6	ABQ51248 Abq51248 Oligonucl
	963	14.8	56.9	561	8	ACA44750 Aca44750 Prokaryot
	964	14.8	56.9	562	6	ABQ14188 Abq14188 Oligonucl
c	965	14.8	56.9	562	6	ABQ14189 Abq14189 Oligonucl
c	966	14.8	56.9	562	6	ABQ50967 Abq50967 Oligonucl
	967	14.8	56.9	562	6	ABQ50966 Abq50966 Oligonucl
c	968	14.8	56.9	565	6	ABQ28935 Abq28935 Oligonucl
	969	14.8	56.9	565	6	ABQ28934 Abq28934 Oligonucl

c 970	14.8	56.9	566	6	ABQ38193	Abq38193 Oligonucl
971	14.8	56.9	566	6	ABQ38192	Abq38192 Oligonucl
972	14.8	56.9	567	5	ADL43554	Adl43554 Human ova
c 973	14.8	56.9	567	12	ACH73210	Ach73210 Human gen
974	14.8	56.9	568	9	ACL23861	Acl23861 DNA clone
975	14.8	56.9	573	5	AAF93644	Aaf93644 Umbilical
976	14.8	56.9	579	6	ABQ42640	Abq42640 Oligonucl
c 977	14.8	56.9	579	6	ABQ42641	Abq42641 Oligonucl
c 978	14.8	56.9	580	11	ADM45785	Adm45785 Insect re
979	14.8	56.9	582	12	ACH79611	Ach79611 Human gen
c 980	14.8	56.9	583	6	ABQ48601	Abq48601 Oligonucl
981	14.8	56.9	583	6	ABQ48600	Abq48600 Oligonucl
982	14.8	56.9	584	5	ADI72021	Adi72021 Human ova
983	14.8	56.9	584	5	ADL37170	Adl37170 Human ova
c 984	14.8	56.9	586	13	ACN53361	Acn53361 Cotton an
985	14.8	56.9	586	13	ACN58352	Acn58352 Cotton gy
986	14.8	56.9	586	13	ACN60727	Acn60727 Cotton gy
987	14.8	56.9	587	4	AAI18301	Aai18301 Probe #82
988	14.8	56.9	587	4	ABA63290	Aba63290 Human foe
989	14.8	56.9	587	4	AAI43370	Aai43370 Probe #12
990	14.8	56.9	587	4	ABA30508	Aba30508 Probe #89
991	14.8	56.9	587	4	AAK37497	Aak37497 Human bon
992	14.8	56.9	587	4	AAK11770	Aak11770 Human bra
993	14.8	56.9	587	4	ABS37184	Abs37184 Human liv
994	14.8	56.9	587	6	ABQ25108	Abq25108 Oligonucl
c 995	14.8	56.9	587	6	ABQ25109	Abq25109 Oligonucl
c 996	14.8	56.9	587	12	ACH74536	Ach74536 Human gen
c 997	14.8	56.9	591	6	ABQ33267	Abq33267 Oligonucl
998	14.8	56.9	591	6	ABQ33266	Abq33266 Oligonucl
999	14.8	56.9	593	13	ACN61104	Acn61104 Cotton gy
c1000	14.8	56.9	594	4	ABL26969	Abl26969 Drosophil

ALIGNMENTS

RESULT 1
ADD28217
ID ADD28217 standard; DNA; 26 BP.
XX
AC ADD28217;
XX
DT 15-JAN-2004 (first entry)
XX
DE E. coli-specific probe #4 used in detection method.
XX
KW Escherichia coli detection; microorganism; water sample; food sample;
KW biological specimen; E. coli detection; probe; ss.
XX
OS Escherichia coli.
XX
PN US2003113731-A1.
XX
PD 19-JUN-2003.
XX
PF 19-DEC-2001; 2001US-00025137.
XX
PR 19-DEC-2001; 2001US-00025137.
XX
PA (LIUL/) LIU L.
PA (CHUN/) CHUNG T.
PA (TERN/) TERNG H.
XX
PI Liu L, Chung T, Terng H;
XX
DR WPI; 2003-810889/76.
XX
PT Detecting Escherichia coli in water sample, food sample or biological
PT sample by amplifying the nucleic acid from the microorganism, and
PT detecting the amplification product.
XX
PS Claim 15; Page 2; 9pp; English.
XX
CC The present invention relates to a method for detecting Escherichia coli.
CC The method involves providing a sample having a nucleic acid from an
CC unknown microorganism, amplifying the nucleic acid with an upstream
CC primer and a down stream primer, each primer being 18-40 nucleotides in
CC length and detecting an amplification product, where detection of the
CC amplification product indicates the presence of E. coli. The invention
CC also discloses E. coli-specific probes. The method of the invention is
CC useful for detecting E. coli in water samples, food samples or biological
CC specimens such as a specimen from a patient. The method is a fast,
CC accurate, and sensitive method for E. coli detection. The present
CC sequence represents an E. coli-specific probe used in the method of the
CC invention.
XX
SQ Sequence 26 BP; 2 A; 4 C; 9 G; 11 T; 0 U; 0 Other;

Query Match 100.0%; Score 26; DB 10; Length 26;
Best Local Similarity 100.0%; Pred. No. 0.2;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GTTATGTATTGCTGCTGTTTGCGGCG 26
||||||||||||||||||||||||||
Db 1 GTTATGTATTGCTGCTGTTTGCGGCG 26

RESULT 2
ACD78399/c
ID ACD78399 standard; DNA; 100 BP.
XX
AC ACD78399;
XX
DT 19-SEP-2003 (first entry)
XX
DE E. coli K12 MG1655 biochip probe SEQ ID 9675.
XX
KW Biochip; gene expression; gut; diagnostic; detection; probe; ss.
XX
OS Escherichia coli.
XX
PN EP1260592-A1.
XX
PD 27-NOV-2002.
XX
PF 17-MAY-2001; 2001EP-00112179.
XX
PR 17-MAY-2001; 2001EP-00112179.
XX
PA (MWGB-) MWG-BIOTECH AG.
XX
PI Donner H, Drescher B, Huber A, Weber J;
XX
DR WPI; 2003-241155/24.
XX
PT Biochip containing probes complementary with open reading frames in
PT Escherichia coli K12, useful for detecting gene expression and expression
PT patterns.
XX
PS Claim 3; Page 1508; 2004pp; German.
XX
CC This invention describes a novel biochip comprising probe spots, each
CC containing many identical probes. The probes are nucleotide sequences of
CC 30-80 bases, are prepared ex situ from synthetic oligonucleotides and at
CC least one includes a segment of at least 20 bases identical with, or
CC complementary to, a segment of an open reading frame (orf) of Escherichia
CC coli K12. The biochip is used for specific detection of gene expression
CC in K12 and for determining the gene expression pattern, e.g. for
CC diagnostic determination of which E. coli strains are present in the gut,
CC and to determine the effects of e.g. growth media on gene expression. The
CC biochip provides as comprehensive as possible detection of the K12
CC genome, with simultaneous analysis of many different genes with a single
CC device, and comparison of gene expression between K12 and its mutants or
CC other E. coli strains in a single experiment. Apart from qualitative and
CC quantitative information about gene expression, it also allows
CC measurements of population densities for the various strains. The use of

OM nucleic - nucleic search, using sw model

Run on: April 16, 2005, 01:17:12 ; Search time 1701.91 Seconds
(without alignments)
581.507 Million cell updates/sec

Title: US-10-025-137B-8
Perfect score: 26
Sequence: 1 gttatgtattgctgctgtttgcggcg 26

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 34239544 seqs, 19032134700 residues

Total number of hits satisfying chosen parameters: 66303546

Minimum DB seq length: 0
Maximum DB seq length: 1000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database : EST:*
1: gb_est1:*
2: gb_est2:*
3: gb_htc:*
4: gb_est3:*
5: gb_est4:*
6: gb_est5:*
7: gb_est6:*
8: gb_gss1:*
9: gb_gss2:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	26	100.0	745	9	CL678320	CL678320 PRI0122c_
	2	20.8	80.0	818	9	CNS01PYO	AL155440 Anopheles
	3	20.8	80.0	827	9	CNS01E5X	AL140134 Anopheles
	4	20.2	77.7	284	2	BB229169	BB229169 BB229169
	5	20	76.9	610	8	BZ608016	BZ608016 WHAAD07TF
	6	19.8	76.2	481	2	BF015390	BF015390 kq63h02.y
c	7	19.8	76.2	551	7	CV049070	EST 14387
	8	19.6	75.4	769	7	CF869998	CF869998 tric021xc
	9	19.6	75.4	843	6	CB900157	CB900157 tric021xc
c	10	19.6	75.4	995	7	CF878515	CF878515 tric017xk
	11	19.4	74.6	626	1	AI728649	AI728649 BNLGHi113
c	12	19.2	73.8	688	1	AU299489	AU299489 AU299489
	13	19.2	73.8	708	6	CD124219	CD124219 ME1-0086G
c	14	19.2	73.8	864	2	BF248370	BF248370 601821419
c	15	19.2	73.8	930	9	CNS0045H	AL066488 Drosophil
	16	19	73.1	267	6	CD990113	CD990113 QAV3d08.y
c	17	19	73.1	268	6	CD990075	CD990075 QAV2h03.y
	18	18.8	72.3	503	6	CD735067	CD735067 4015275 1
	19	18.8	72.3	515	6	CA954376	CA954376 k142c09.y
c	20	18.8	72.3	583	2	AW053919	AW053919 L30-2363T
	21	18.8	72.3	606	7	CO071731	CO071731 GR__Ea30E
	22	18.8	72.3	630	1	AI730736	AI730736 BNLGHi778
	23	18.8	72.3	692	7	CN970762	CN970762 18259_123
	24	18.8	72.3	963	9	CNS02R4K	AL210125 Tetraodon
	25	18.8	72.3	974	2	BF674729	BF674729 602136871
c	26	18.6	71.5	202	1	AV753500	AV753500 AV753500
c	27	18.6	71.5	306	8	B47102	B47102 HS-1067-A1-
c	28	18.6	71.5	356	1	AI530762	AI530762 SD01335.5
	29	18.6	71.5	411	1	AV416693	AV416693 AV416693
	30	18.6	71.5	421	1	AV417630	AV417630 AV417630
	31	18.6	71.5	421	1	AV425556	AV425556 AV425556
	32	18.6	71.5	465	2	AW459252	AW459252 sh22f01.y
	33	18.6	71.5	467	9	BX236500	BX236500 Danio rer
c	34	18.6	71.5	487	4	BI638926	BI638926 SD21331.5
c	35	18.6	71.5	494	2	BF505406	BF505406 AT07628.3
c	36	18.6	71.5	503	2	BF491671	BF491671 AT28467.5
	37	18.6	71.5	507	2	AW307183	AW307183 sf53h01.y
c	38	18.6	71.5	515	1	AI063887	AI063887 GH03993.5
c	39	18.6	71.5	522	7	CV281639	CV281639 WS0182.B2
c	40	18.6	71.5	535	9	DR2M14S	AL734346 Danio rer
	41	18.6	71.5	562	2	AW719955	AW719955 LjNEST12e
c	42	18.6	71.5	570	5	BU806081	BU806081 haa26f09.
c	43	18.6	71.5	584	8	BH394293	BH394293 AG-ND-153
c	44	18.6	71.5	601	2	BF502324	BF502324 AT18017.5
c	45	18.6	71.5	603	4	BI354885	BI354885 GM28696.5
c	46	18.6	71.5	610	6	CA590721	CA590721 hab30b10.
	47	18.6	71.5	648	7	CF253875	CF253875 mdvn109_a
c	48	18.6	71.5	654	6	CA588913	CA588913 hab51c05.
	49	18.6	71.5	672	4	BI904280	BI904280 603166993
	50	18.6	71.5	692	4	BM640252	BM640252 170006876
	51	18.6	71.5	693	7	CN825759	CN825759 LjPEST10b
c	52	18.6	71.5	715	9	AG216412	AG216412 Drosophil
c	53	18.6	71.5	758	2	BF488217	BF488217 AT23432.5
c	54	18.6	71.5	772	2	BF489227	BF489227 AT25164.5
	55	18.6	71.5	786	9	BX153026	BX153026 Danio rer
	56	18.6	71.5	789	6	CD782509	CD782509 EST653870
	57	18.6	71.5	792	9	BX236933	BX236933 Danio rer
c	58	18.6	71.5	854	8	BH943779	BH943779 odd73b12.
	59	18.6	71.5	856	7	CF377798	CF377798 AGENCOURT
c	60	18.6	71.5	865	9	CG166648	CG166648 PUFUE36TD
	61	18.6	71.5	870	6	CD794432	CD794432 EST665793
c	62	18.6	71.5	872	7	CN173075	CN173075 AGENCOURT
c	63	18.6	71.5	951	9	CNS01S0L	AL164622 Tetraodon
	64	18.6	71.5	960	9	CG166647	CG166647 PUFUE36TB
	65	18.6	71.5	974	8	AZ207376	AZ207376 SP_0135_A
	66	18.6	71.5	974	8	BZ818029	BZ818029 PUGBL44TD
c	67	18.4	70.8	392	8	AQ152015	AQ152015 HS_3104_A
c	68	18.4	70.8	415	8	AQ123592	AQ123592 HS_3103_B
	69	18.4	70.8	419	6	CD088964	CD088964 MC1-0055G
	70	18.4	70.8	438	6	CD115404	CD115404 ME1-0038G
	71	18.4	70.8	441	6	CD127243	CD127243 MF1-0016G
c	72	18.4	70.8	511	7	CN494509	CN494509 Mdfw2025a
	73	18.4	70.8	526	6	CD115181	CD115181 ME1-0038G
	74	18.4	70.8	742	5	BQ110780	BQ110780 VD0204A10
	75	18.4	70.8	823	7	CK136827	CK136827 MM2_2_4_D
	76	18.2	70.0	272	1	AI406610	AI406610 EST234897
	77	18.2	70.0	352	7	CR463709	CR463709 CR463709
	78	18.2	70.0	405	2	BF394794	BF394794 UI-R-CA0-
c	79	18.2	70.0	405	6	CB811085	CB811085 AMGNNUC:S
	80	18.2	70.0	426	2	BF392631	BF392631 UI-R-CA0-
	81	18.2	70.0	441	2	BF394686	BF394686 UI-R-CA0-
	82	18.2	70.0	497	2	BF393123	BF393123 UI-R-CA0-
c	83	18.2	70.0	537	5	BQ074378	BQ074378 fz28g12.y
	84	18.2	70.0	538	5	BQ199900	BQ199900 UI-R-DQ1-
	85	18.2	70.0	561	6	CD191830	CD191830 MS1-0073T
	86	18.2	70.0	562	6	CD191937	CD191937 MS1-0073T
	87	18.2	70.0	583	6	CD924879	CD924879 G750.115A
	88	18.2	70.0	603	6	CD153994	CD153994 ML1-0035T
	89	18.2	70.0	628	7	CN235472	CN235472 RJB115F01
c	90	18.2	70.0	657	2	BB514499	BB514499 BB514499
c	91	18.2	70.0	678	2	BB633201	BB633201 BB633201
	92	18.2	70.0	740	9	CG108117	CG108117 PUJAK89TD
	93	18.2	70.0	778	5	BW383396	BW383396 BW383396
c	94	18.2	70.0	788	9	CC939180	CC939180 ZMMBBb023
	95	18.2	70.0	871	4	BF976870	BF976870 602146521
	96	18.2	70.0	898	9	CG204830	CG204830 PUFZM41TB
c	97	18	69.2	173	7	CK394579	CK394579 hggada5B0

98	18	69.2	280	1	AL897728	AL897728	AL897728
99	18	69.2	297	1	AL799512	AL799512	AL799512
100	18	69.2	311	1	AA201466	AA201466	LD04485.5
101	18	69.2	333	1	AL895738	AL895738	AL895738
c 102	18	69.2	353	8	AQ061966	AQ061966	CIT-HSP-2
c 103	18	69.2	365	2	AV991862	AV991862	AV991862
104	18	69.2	375	1	AV880330	AV880330	AV880330
c 105	18	69.2	383	7	CF666114	CF666114	RTCNT1_20
106	18	69.2	394	4	BI611102	BI611102	RH17220.5
c 107	18	69.2	416	8	AZ929175	AZ929175	479.dif23
108	18	69.2	417	4	BI169523	BI169523	RE10722.5
109	18	69.2	439	4	BJ041962	BJ041962	BJ041962
110	18	69.2	444	9	CG800401	CG800401	1118011G1
111	18	69.2	449	1	AA949493	AA949493	LD29521.5
112	18	69.2	474	4	BI242997	BI242997	RE40520.5
c 113	18	69.2	476	4	BG886346	BG886346	dad74a09.
114	18	69.2	483	2	BF930296	BF930296	RC5-NT018
115	18	69.2	483	4	BJ066217	BJ066217	BJ066217
116	18	69.2	497	4	BI367514	BI367514	RE53291.5
117	18	69.2	498	1	AA540732	AA540732	LD20522.5
118	18	69.2	513	8	BH598733	BH598733	BOHLE19TR
c 119	18	69.2	515	9	CE833130	CE833130	tigr-gss-
120	18	69.2	516	4	BI621815	BI621815	RH53231.5
121	18	69.2	521	5	BW253162	BW253162	BW253162
122	18	69.2	524	1	AL897729	AL897729	AL897729
c 123	18	69.2	525	4	BM586976	BM586976	170006873
124	18	69.2	526	4	BG636859	BG636859	SD14680.5
c 125	18	69.2	529	1	AV949024	AV949024	AV949024
126	18	69.2	529	5	BW057204	BW057204	BW057204
127	18	69.2	542	4	BI243631	BI243631	RE41329.5
128	18	69.2	543	4	BI367499	BI367499	RE53273.5
129	18	69.2	543	8	BZ151039	BZ151039	CH230-406
130	18	69.2	546	1	AI516695	AI516695	LD42673.5
131	18	69.2	549	4	BI234395	BI234395	RE30087.5
132	18	69.2	563	8	BH363802	BH363802	CH230-190
c 133	18	69.2	569	5	BW059686	BW059686	BW059686
c 134	18	69.2	569	6	CD033692	CD033692	mgmt013xK
c 135	18	69.2	574	4	BI363035	BI363035	RE47736.5
136	18	69.2	577	4	BI611098	BI611098	RH17216.5
137	18	69.2	584	1	AL897727	AL897727	AL897727
138	18	69.2	597	1	AJ773949	AJ773949	AJ773949
139	18	69.2	597	8	BZ779222	BZ779222	ih87d06.g
140	18	69.2	603	8	AZ212674	AZ212674	Sheared D
141	18	69.2	614	1	AI062576	AI062576	GH01813.5
142	18	69.2	622	4	BI168760	BI168760	RE09626.5
143	18	69.2	622	4	BI778207	BI778207	EBro07_SQ
144	18	69.2	628	7	CK661425	CK661425	LP20944.5
c 145	18	69.2	636	5	BX701193	BX701193	BX701193
c 146	18	69.2	637	5	BW363405	BW363405	BW363405
147	18	69.2	638	4	BI215641	BI215641	RE22215.5
148	18	69.2	639	7	CO644372	CO644372	USDA-FP_1
c 149	18	69.2	645	4	BI169925	BI169925	RE11241.5
150	18	69.2	648	1	AA950217	AA950217	LD30181.5
151	18	69.2	656	4	BG636975	BG636975	SD14817.5
152	18	69.2	657	1	AJ281244	AJ281244	4A3A-P10B
153	18	69.2	662	4	BI169867	BI169867	RE11172.5
154	18	69.2	667	4	BI234386	BI234386	RE30077.5
c 155	18	69.2	673	4	BI486248	BI486248	RE69651.5
156	18	69.2	674	4	BI237479	BI237479	RE33714.5
c 157	18	69.2	678	4	BM593459	BM593459	170006874
158	18	69.2	679	4	BI165945	BI165945	RE05948.5
159	18	69.2	682	9	CE590320	CE590320	tigr-gss-
c 160	18	69.2	704	7	CN092795	CN092795	EC2BBA7AH
c 161	18	69.2	721	7	CV031649	CV031649	RTNACL1_2
162	18	69.2	748	1	AA942488	AA942488	LD26733.5
163	18	69.2	756	5	BW085335	BW085335	BW085335
c 164	18	69.2	761	8	AQ950256	AQ950256	Sheared D
c 165	18	69.2	790	7	CF668653	CF668653	RTCNT1_37
166	18	69.2	807	7	CO160569	CO160569	FLD1_22_B
c 167	18	69.2	821	4	BI521784	BI521784	603081765
c 168	18	69.2	823	9	CNS01NRD	AL152586	Anopheles
169	18	69.2	824	7	CF150681	CF150681	AGENCOURT
c 170	18	69.2	871	4	BG821098	BG821098	602724472
171	18	69.2	892	8	BZ787122	BZ787122	PUGCA93TD
c 172	18	69.2	896	9	CG055037	CG055037	PUFLQ31TD
173	18	69.2	921	9	CG055035	CG055035	PUFLQ31TB
c 174	18	69.2	955	8	BZ787119	BZ787119	PUGCA93TB
175	18	69.2	991	9	AG297780	AG297780	Mus muscu
176	18	69.2	992	7	CF879956	CF879956	tric021xc
c 177	17.8	68.5	114	8	AZ490301	AZ490301	1M0323L11
178	17.8	68.5	167	2	AW284674	AW284674	LG1_214_B
179	17.8	68.5	193	2	AW678126	AW678126	WS1_13_A0
c 180	17.8	68.5	193	7	CO940052	CO940052	UMC-pd45f
c 181	17.8	68.5	347	7	CO941190	CO941190	UMC-peov3
c 182	17.8	68.5	361	7	CO938218	CO938218	UMC-pd14c
c 183	17.8	68.5	363	7	CO951476	CO951476	UMC-pd12f
c 184	17.8	68.5	379	7	CO950348	CO950348	UMC-pd12c
c 185	17.8	68.5	393	7	CN030296	CN030296	UMC-pbliv
186	17.8	68.5	398	1	AJ653934	AJ653934	AJ653934
187	17.8	68.5	410	1	AJ655529	AJ655529	AJ655529
188	17.8	68.5	421	1	AJ654648	AJ654648	AJ654648
189	17.8	68.5	427	9	CG117034	CG117034	PUFYJ78TD
c 190	17.8	68.5	465	8	BZ528580	BZ528580	OGAKA24TC
191	17.8	68.5	470	8	BZ528588	BZ528588	OGAKA24TM
192	17.8	68.5	498	7	CO869370	CO869370	Lr_JV2CF_
193	17.8	68.5	520	4	BI320928	BI320928	saf22f10.
c 194	17.8	68.5	524	5	BQ602511	BQ602511	MI-P-NA-a
c 195	17.8	68.5	549	6	CA178426	CA178426	SCRFST104
c 196	17.8	68.5	564	9	CL410406	CL410406	RPCI44_41
c 197	17.8	68.5	566	1	AI793999	AI793999	fc36a05.y
c 198	17.8	68.5	604	5	BQ171329	BQ171329	WHE0968_G
c 199	17.8	68.5	619	6	CB471774	CB471774	sn44_G03.
200	17.8	68.5	634	5	BX670630	BX670630	BX670630
c 201	17.8	68.5	665	7	CN210535	CN210535	4116612 B
c 202	17.8	68.5	690	7	CO984671	CO984671	GM89022A1
203	17.8	68.5	719	5	BX926672	BX926672	BX926672
204	17.8	68.5	720	5	BX926674	BX926674	BX926674
c 205	17.8	68.5	780	9	CG462483	CG462483	PUIJX38TB
c 206	17.8	68.5	802	9	AG502632	AG502632	Mus muscu
207	17.8	68.5	831	9	CG173830	CG173830	PUJGO12TD
c 208	17.8	68.5	927	6	CA787987	CA787987	AGENCOURT
c 209	17.8	68.5	978	9	CG928925	CG928925	MBEIH06TR
c 210	17.8	68.5	997	3	CR689818	CR689818	Tetraodon
211	17.6	67.7	91	4	BG152244	BG152244	nag74f08.
c 212	17.6	67.7	169	1	AL726994	AL726994	AL726994
213	17.6	67.7	197	7	CV367392	CV367392	PM2-BT082
214	17.6	67.7	200	8	AQ911653	AQ911653	LMAJFV1_1
c 215	17.6	67.7	233	5	BU638414	BU638414	mgcw008xF
c 216	17.6	67.7	272	6	CA652990	CA652990	wre1n.pk1
c 217	17.6	67.7	292	5	BU640313	BU640313	mgcw018xN
c 218	17.6	67.7	316	6	CB708980	CB708980	AMGNNUC:M
219	17.6	67.7	321	6	CB036537	CB036537	Tc_ad2_23
220	17.6	67.7	322	6	CB037399	CB037399	Tc_ad2_33
c 221	17.6	67.7	326	9	CG648685	CG648685	OST402411
c 222	17.6	67.7	343	5	BU637629	BU637629	mgcw004xJ
223	17.6	67.7	391	1	AV419635	AV419635	AV419635
c 224	17.6	67.7	433	1	AI018709	AI018709	ov63g10.s
225	17.6	67.7	435	5	BQ610694	BQ610694	sap49e10.
226	17.6	67.7	449	9	CL900165	CL900165	abg58a08.
227	17.6	67.7	451	6	CB029317	CB029317	TgESTzyd6
c 228	17.6	67.7	456	6	CB740964	CB740964	AMGNNUC:Y
229	17.6	67.7	466	5	BX092428	BX092428	BX092428
230	17.6	67.7	479	6	CB029326	CB029326	TgESTzyd6
c 231	17.6	67.7	481	7	CR445653	CR445653	CR445653
c 232	17.6	67.7	485	5	BU640241	BU640241	mgcw018xN
c 233	17.6	67.7	489	6	BY594353	BY594353	BY594353
c 234	17.6	67.7	499	5	BQ416884	BQ416884	ik42h02.x
c 235	17.6	67.7	519	8	AQ296864	AQ296864	HS_2255_A
236	17.6	67.7	529	9	CC637400	CC637400	OGOAL34TV
c 237	17.6	67.7	531	4	BJ700870	BJ700870	BJ700870
238	17.6	67.7	548	6	CB038302	CB038302	Tc_ad2_44
c 239	17.6	67.7	548	8	AZ499080	AZ499080	1M0336H12
240	17.6	67.7	555	9	CG029805	CG029805	CHGAG53TF
c 241	17.6	67.7	566	7	CF866236	CF866236	tric005xj
c 242	17.6	67.7	581	7	CK826102	CK826102	ik42h02.y
243	17.6	67.7	595	6	CD057575	CD057575	HO15I15S

c 244	17.6	67.7	601	5	BX508506	BX508506 DKFZp686A
c 245	17.6	67.7	616	7	CF872969	CF872969 tric032xi
246	17.6	67.7	618	8	B96836	B96836 T32P1TF TAM
247	17.6	67.7	620	6	CB039095	CB039095 Tc_ad2_53
c 248	17.6	67.7	620	6	CB238696	CB238696 rq88e12.y
249	17.6	67.7	627	6	CB037802	CB037802 Tc_ad2_38
c 250	17.6	67.7	627	7	CN242517	CN242517 EST008389
c 251	17.6	67.7	631	8	BZ422950	BZ422950 hz32d11.g
252	17.6	67.7	634	6	CB037188	CB037188 Tc_ad2_31
253	17.6	67.7	651	7	CO118695	CO118695 GR__Eb021
c 254	17.6	67.7	654	9	CC612061	CC612061 OGUEK03TH
255	17.6	67.7	663	6	CB377353	CB377353 CmaE1_36_
256	17.6	67.7	680	9	CR839902	CR839902 GR0AAA8CC
257	17.6	67.7	689	8	BH074523	BH074523 RPCI-24-3
c 258	17.6	67.7	708	7	CF883026	CF883026 tric032xi
259	17.6	67.7	720	6	CB037794	CB037794 Tc_ad2_38
260	17.6	67.7	724	9	CR811894	CR811894 GR0AAA35D
261	17.6	67.7	725	9	AG297876	AG297876 Mus muscu
262	17.6	67.7	727	6	CB037852	CB037852 Tc_ad2_38
263	17.6	67.7	737	5	BX857485	BX857485 BX857485
264	17.6	67.7	738	6	CB037559	CB037559 Tc_ad2_35
265	17.6	67.7	743	6	CB036522	CB036522 Tc_ad2_22
c 266	17.6	67.7	750	6	CB902992	CB902992 tric032xi
267	17.6	67.7	774	9	CR832395	CR832395 GR0AAA65C
c 268	17.6	67.7	783	9	GGA200104	AJ231819 Gallus ga
269	17.6	67.7	795	9	CG034503	CG034503 PUIDI56TB
c 270	17.6	67.7	801	6	CB896200	CB896200 tric005xj
271	17.6	67.7	801	7	CN248727	CN248727 EST014636
c 272	17.6	67.7	803	7	CK797508	CK797508 AGENCOURT
273	17.6	67.7	821	8	CC122584	CC122584 NDL.14O18
c 274	17.6	67.7	825	5	BU716359	BU716359 SJM2ASF05
c 275	17.6	67.7	833	9	CL141244	CL141244 ISB1-118J
c 276	17.6	67.7	837	9	CG285454	CG285454 OGXBF79TH
c 277	17.6	67.7	841	7	CR292404	CR292404 CR292404
278	17.6	67.7	880	7	CO921095	CO921095 AGENCOURT
279	17.6	67.7	884	7	CN249011	CN249011 EST014924
c 280	17.6	67.7	889	4	BG674781	BG674781 602620908
c 281	17.6	67.7	924	4	BG326307	BG326307 602425231
282	17.6	67.7	940	9	CNS01GV7	AL143636 Anopheles
283	17.6	67.7	947	9	CNS076IW	AL431454 T3 end of
c 284	17.6	67.7	955	9	CNS02IEP	AL198826 Tetraodon
c 285	17.6	67.7	964	4	BI767466	BI767466 603057329
286	17.4	66.9	236	8	BH195167	BH195167 TC3-74A15
c 287	17.4	66.9	251	1	AV547073	AV547073 AV547073
c 288	17.4	66.9	280	7	CN055111	CN055111 Salamande
c 289	17.4	66.9	345	8	BH331299	BH331299 CH230-189
c 290	17.4	66.9	408	8	AQ789952	AQ789952 HS_3177_B
c 291	17.4	66.9	427	1	AU230931	AU230931 AU230931
c 292	17.4	66.9	438	8	AQ511951	AQ511951 HS_5065_B
c 293	17.4	66.9	451	8	AQ464427	AQ464427 HS_5102_A
c 294	17.4	66.9	470	1	AI332033	AI332033 fa96f08.y
c 295	17.4	66.9	490	7	CK676566	CK676566 ZF101-P00
296	17.4	66.9	516	6	CB300136	CB300136 TgESTzyf8
c 297	17.4	66.9	538	8	AQ706138	AQ706138 HS_5550_A
c 298	17.4	66.9	547	9	CE038118	CE038118 tigr-gss-
299	17.4	66.9	570	6	CD088825	CD088825 MC1-0053T
300	17.4	66.9	582	6	CD088777	CD088777 MC1-0053T
301	17.4	66.9	582	9	CE666595	CE666595 tigr-gss-
302	17.4	66.9	589	6	CD088749	CD088749 MC1-0053T
303	17.4	66.9	616	9	CE407032	CE407032 tigr-gss-
304	17.4	66.9	629	5	BU574789	BU574789 PA__Ea000
305	17.4	66.9	630	5	BU047029	BU047029 PP_LEa002
c 306	17.4	66.9	661	7	CF995941	CF995941 AGENCOURT
c 307	17.4	66.9	674	7	CK252679	CK252679 EST736316
c 308	17.4	66.9	684	6	CA041516	CA041516 ssalplnb5
c 309	17.4	66.9	688	9	CE239345	CE239345 tigr-gss-
310	17.4	66.9	694	8	BZ649097	BZ649097 OGAPI66TM
c 311	17.4	66.9	737	8	BZ655558	BZ655558 OGCBU03TC
c 312	17.4	66.9	745	9	CNS007Z0	AL051014 Drosophil
c 313	17.4	66.9	757	9	CL180458	CL180458 104_390_1
c 314	17.4	66.9	765	8	BZ649085	BZ649085 OGAPI66TC
c 315	17.4	66.9	776	7	CO929404	CO929404 AGENCOURT
c 316	17.4	66.9	779	7	CF995969	CF995969 AGENCOURT
c 317	17.4	66.9	780	7	CV485980	CV485980 AGENCOURT
c 318	17.4	66.9	782	7	CV113094	CV113094 AGENCOURT
c 319	17.4	66.9	793	7	CO812503	CO812503 AGENCOURT
c 320	17.4	66.9	798	7	CK126532	CK126532 AGENCOURT
321	17.4	66.9	808	7	CN155337	CN155337 942627 MA
322	17.4	66.9	812	9	CC489524	CC489524 CH240_322
c 323	17.4	66.9	841	4	BG612270	BG612270 602613778
c 324	17.4	66.9	850	9	CC729562	CC729562 OGWEK64TV
325	17.4	66.9	852	9	CG363461	CG363461 OG3BE87TH
c 326	17.4	66.9	862	7	CO930941	CO930941 AGENCOURT
c 327	17.4	66.9	894	7	CN317317	CN317317 AGENCOURT
c 328	17.4	66.9	915	8	CC350329	CC350329 OGPAI20TH
329	17.4	66.9	957	9	CC685366	CC685366 OGPAI20TV
330	17.2	66.2	190	8	AZ825500	AZ825500 2M0100A18
331	17.2	66.2	214	6	CB039486	CB039486 As_L3_36G
332	17.2	66.2	233	1	AV363347	AV363347 AV363347
333	17.2	66.2	245	1	AV363326	AV363326 AV363326
c 334	17.2	66.2	258	9	CC885005	CC885005 SALK_1456
335	17.2	66.2	286	5	BU585554	BU585554 Al_am_07H
336	17.2	66.2	287	8	AQ907297	AQ907297 GSSTc0930
337	17.2	66.2	297	1	AI804142	AI804142 tc68g03.x
c 338	17.2	66.2	324	5	BP648181	BP648181 BP648181
c 339	17.2	66.2	339	2	BF933158	BF933158 IL5-NT027
c 340	17.2	66.2	348	7	CR292075	CR292075 CR292075
c 341	17.2	66.2	351	5	BU585770	BU585770 Al_am_15F
342	17.2	66.2	356	2	AW956550	AW956550 EST368620
c 343	17.2	66.2	359	1	AV536128	AV536128 AV536128
344	17.2	66.2	359	2	BF138427	BF138427 601782578
345	17.2	66.2	379	1	AI621037	AI621037 ts76c02.x
346	17.2	66.2	384	7	W46484	W46484 zc33f05.s1
347	17.2	66.2	384	8	AZ870087	AZ870087 2M0182M24
348	17.2	66.2	396	8	AQ639492	AQ639492 927P1-4B7
349	17.2	66.2	399	7	CO276751	CO276751 EK121958.
350	17.2	66.2	399	7	CO293907	CO293907 EK205063.
351	17.2	66.2	403	9	CG987144	CG987144 CH240_158
c 352	17.2	66.2	406	5	BP651473	BP651473 BP651473
353	17.2	66.2	407	2	AV955487	AV955487 AV955487
354	17.2	66.2	410	6	CB221468	CB221468 1Duo12F04
355	17.2	66.2	412	1	AA761198	AA761198 nz20a03.s
c 356	17.2	66.2	421	7	CO316205	CO316205 EK263940.
357	17.2	66.2	429	1	AA282804	AA282804 zs91d10.s
358	17.2	66.2	429	6	CD197834	CD197834 MS1-0095P
359	17.2	66.2	447	2	BB820190	BB820190 BB820190
360	17.2	66.2	451	5	BY393652	BY393652 BY393652
361	17.2	66.2	453	2	AW182661	AW182661 xj45b09.x
362	17.2	66.2	453	7	W02209	W02209 zc67c11.s1
363	17.2	66.2	459	4	BM568925	BM568925 kj36b10.y
c 364	17.2	66.2	461	7	CO194775	CO194775 EC39207.5
c 365	17.2	66.2	463	8	BH170997	BH170997 SALK_0036
c 366	17.2	66.2	465	1	AI117577	AI117577 ui43e10.x
367	17.2	66.2	470	4	BM281989	BM281989 ki23h12.y
368	17.2	66.2	471	6	CA954087	CA954087 kl38d09.y
369	17.2	66.2	478	4	BM569316	BM569316 kj59e02.y
370	17.2	66.2	479	4	BM515726	BM515726 kj52g08.y
371	17.2	66.2	480	4	BM282305	BM282305 ki16f12.y
372	17.2	66.2	483	9	CG182799	CG182799 PUIGX55TB
373	17.2	66.2	486	6	CA849364	CA849364 kl11d09.y
374	17.2	66.2	487	4	BM568635	BM568635 kj39g10.y
c 375	17.2	66.2	490	9	BX945045	BX945045 Arabidops
376	17.2	66.2	493	4	BM517555	BM517555 kj80h08.y
377	17.2	66.2	493	4	BM734002	BM734002 kj21c02.y
c 378	17.2	66.2	495	1	AI938754	AI938754 sb58e06.y
379	17.2	66.2	506	4	BM281581	BM281581 ki17d03.y
380	17.2	66.2	507	4	BM515284	BM515284 kj47a08.y
381	17.2	66.2	509	4	BM518255	BM518255 ki90b10.y
382	17.2	66.2	509	4	BM569295	BM569295 kj59a07.y
383	17.2	66.2	515	4	BM515450	BM515450 kj49c05.y
384	17.2	66.2	517	6	CA849974	CA849974 kl17g10.y
385	17.2	66.2	518	6	CA849262	CA849262 kl10a02.y
386	17.2	66.2	520	4	BM515339	BM515339 kj47g12.y
387	17.2	66.2	521	4	BM517996	BM517996 ki86e07.y
388	17.2	66.2	521	6	CA954652	CA954652 kl29g10.y
389	17.2	66.2	522	4	BM515804	BM515804 kj53f09.y

	390	17.2	66.2	522	4	BM568640	BM568640 kj39h04.y
	391	17.2	66.2	522	6	CA954276	CA954276 kl40h04.y
	392	17.2	66.2	524	4	BM284078	BM284078 ki29e10.y
	393	17.2	66.2	524	6	CA850361	CA850361 kl27c12.y
c	394	17.2	66.2	527	5	BQ095522	BQ095522 kk06c08.y
	395	17.2	66.2	530	4	BM515275	BM515275 kj66h05.y
	396	17.2	66.2	536	2	AV998806	AV998806 AV998806
	397	17.2	66.2	544	9	CL808528	CL808528 OR_CBa002
c	398	17.2	66.2	545	8	AQ529348	AQ529348 RPCI-11-3
c	399	17.2	66.2	545	9	CE293672	CE293672 tigr-gss-
	400	17.2	66.2	546	4	BI541883	BI541883 455753 MA
	401	17.2	66.2	547	4	BI541884	BI541884 455754 MA
	402	17.2	66.2	547	6	CB014226	CB014226 As_tgz_76
	403	17.2	66.2	551	4	BM278355	BM278355 As_tgz_57
	404	17.2	66.2	561	9	CR833347	CR833347 GR0AAA67A
c	405	17.2	66.2	566	8	AQ657075	AQ657075 Sheared D
c	406	17.2	66.2	573	1	AI747675	AI747675 ul20g11.x
c	407	17.2	66.2	575	5	BU389735	BU389735 603802142
	408	17.2	66.2	576	9	CE196356	CE196356 tigr-gss-
c	409	17.2	66.2	577	8	AZ131478	AZ131478 OSJNBb010
	410	17.2	66.2	578	5	BX311954	BX311954 BX311954
	411	17.2	66.2	587	8	AQ306227	AQ306227 HS_2041_A
c	412	17.2	66.2	594	1	AL588773	AL588773 AL588773
c	413	17.2	66.2	594	7	CK952072	CK952072 4091411 B
	414	17.2	66.2	597	4	BM431289	BM431289 1Duo12F04
	415	17.2	66.2	599	7	CK344297	CK344297 K0931D08-
	416	17.2	66.2	600	1	AJ738659	AJ738659 AJ738659
	417	17.2	66.2	600	7	CF621317	CF621317 laf15a09.
c	418	17.2	66.2	601	5	BQ790116	BQ790116 Mosquito-
	419	17.2	66.2	612	5	BQ586145	BQ586145 E012393-0
c	420	17.2	66.2	613	8	AZ804760	AZ804760 2M0065H23
c	421	17.2	66.2	614	9	CE668995	CE668995 tigr-gss-
c	422	17.2	66.2	616	8	BH387852	BH387852 AG-ND-132
	423	17.2	66.2	618	5	BX677561	BX677561 BX677561
c	424	17.2	66.2	625	5	BX107606	BX107606 BX107606
	425	17.2	66.2	626	8	CC047881	CC047881 3591_1_98
	426	17.2	66.2	633	8	AZ446651	AZ446651 1M0243I12
c	427	17.2	66.2	648	9	CL593939	CL593939 OB__Ba005
	428	17.2	66.2	649	4	BJ129111	BJ129111 BJ129111
	429	17.2	66.2	654	6	CA417101	CA417101 UI-H-FE0-
c	430	17.2	66.2	655	5	BU388861	BU388861 603511386
	431	17.2	66.2	656	5	BW282596	BW282596 BW282596
c	432	17.2	66.2	658	9	AG131089	AG131089 Pan trogl
	433	17.2	66.2	664	5	BW364823	BW364823 BW364823
	434	17.2	66.2	668	5	BX677510	BX677510 BX677510
	435	17.2	66.2	669	6	CA224424	CA224424 SCCCFL600
	436	17.2	66.2	670	8	AQ158026	AQ158026 nbxb0010F
c	437	17.2	66.2	671	1	AL693685	AL693685 AL693685
	438	17.2	66.2	673	1	AJ638178	AJ638178 AJ638178
	439	17.2	66.2	678	6	CA359968	CA359968 633103 NC
	440	17.2	66.2	685	8	AQ576384	AQ576384 nbxb0089G
c	441	17.2	66.2	708	9	CL633049	CL633049 CH243-6I1
c	442	17.2	66.2	719	6	CD927018	CD927018 GR45.100K
	443	17.2	66.2	719	9	CR128243	CR128243 Reverse s
	444	17.2	66.2	721	3	CNS0A2QG	BX828512 Arabidops
c	445	17.2	66.2	729	5	BW126813	BW126813 BW126813
c	446	17.2	66.2	733	1	AJ447334	AJ447334 AJ447334
c	447	17.2	66.2	734	9	CR028946	CR028946 Forward s
c	448	17.2	66.2	736	9	CC830549	CC830549 ZMMBBb017
	449	17.2	66.2	745	5	BQ704698	BQ704698 Bn01_03j1
	450	17.2	66.2	747	9	AG575168	AG575168 Mus muscu
	451	17.2	66.2	748	3	CNS09Z89	BX833113 Arabidops
c	452	17.2	66.2	752	5	BU426959	BU426959 603233928
c	453	17.2	66.2	758	5	BU372401	BU372401 603809972
	454	17.2	66.2	759	5	BU319452	BU319452 603849869
c	455	17.2	66.2	771	5	BQ408625	BQ408625 GA__Ed001
c	456	17.2	66.2	771	6	CD784343	CD784343 EST655704
c	457	17.2	66.2	776	9	CG428592	CG428592 ZMMBBb024
	458	17.2	66.2	779	9	AG470867	AG470867 Mus muscu
	459	17.2	66.2	780	6	CB330272	CB330272 SpEST308
c	460	17.2	66.2	783	9	CC559157	CC559157 CH240_468
	461	17.2	66.2	791	9	CR845621	CR845621 GR0AAA81B
c	462	17.2	66.2	809	7	CN043112	CN043112 v11_p45_h
c	463	17.2	66.2	816	7	CK247057	CK247057 EST730694
	464	17.2	66.2	822	9	CNS03ID2	AL245423 Tetraodon
c	465	17.2	66.2	831	9	BX247565	BX247565 Danio rer
	466	17.2	66.2	831	9	CL102190	CL102190 ISB1-39L2
	467	17.2	66.2	832	9	BX158168	BX158168 Danio rer
	468	17.2	66.2	836	3	CNS08M3O	BX018064 Single re
c	469	17.2	66.2	846	5	BU240708	BU240708 603322820
	470	17.2	66.2	851	7	CN838996	CN838996 AGENCOURT
c	471	17.2	66.2	851	9	CL142865	CL142865 ISB1-120O
c	472	17.2	66.2	869	7	CK111493	CK111493 Q024E08 P
c	473	17.2	66.2	881	2	BF184686	BF184686 601844284
c	474	17.2	66.2	910	5	BU140941	BU140941 603136796
c	475	17.2	66.2	933	9	CG438378	CG438378 OGTBC15TV
c	476	17.2	66.2	935	5	BU507574	BU507574 AGENCOURT
	477	17.2	66.2	940	8	CC388105	CC388105 PUHHZ92TB
c	478	17.2	66.2	991	6	CD792789	CD792789 EST664150
c	479	17.2	66.2	995	9	CNS00KR3	AL078128 Drosophil
c	480	17	65.4	124	9	CNS04HM3	AL291108 Tetraodon
c	481	17	65.4	130	4	BJ272458	BJ272458 BJ272458
c	482	17	65.4	139	7	CV278794	CV278794 WS0147.B2
	483	17	65.4	164	6	CA678054	CA678054 wlm12.pk0
	484	17	65.4	177	1	AV519166	AV519166 AV519166
	485	17	65.4	181	4	BJ267511	BJ267511 BJ267511
c	486	17	65.4	185	8	BZ883283	BZ883283 CH240_197
	487	17	65.4	187	1	AV519483	AV519483 AV519483
	488	17	65.4	187	1	AV519688	AV519688 AV519688
c	489	17	65.4	187	6	CB926684	CB926684 ABA1_3_E0
	490	17	65.4	219	6	CA742188	CA742188 wet1c.pk0
c	491	17	65.4	224	1	AU197304	AU197304 AU197304
	492	17	65.4	228	6	CA704849	CA704849 wdk1c.pk0
c	493	17	65.4	242	2	BB568824	BB568824 BB568824
	494	17	65.4	248	1	AV797275	AV797275 AV797275
	495	17	65.4	249	8	AZ565905	AZ565905 216PvB03
	496	17	65.4	249	8	AZ566158	AZ566158 218PvA12
	497	17	65.4	249	8	AZ566537	AZ566537 222PvG11
	498	17	65.4	269	1	AV520060	AV520060 AV520060
	499	17	65.4	275	1	AV818159	AV818159 AV818159
	500	17	65.4	284	7	CF670943	CF670943 RTCNT1_53
c	501	17	65.4	284	7	CF670943	CF670943 RTCNT1_53
	502	17	65.4	289	1	AV531982	AV531982 AV531982
	503	17	65.4	293	2	BB196295	BB196295 BB196295
	504	17	65.4	294	1	AV535808	AV535808 AV535808
c	505	17	65.4	294	7	CV283901	CV283901 WS0188.B2
	506	17	65.4	296	6	CA683113	CA683113 wlm96.pk0
c	507	17	65.4	297	1	AA597647	AA597647 29555 Lam
	508	17	65.4	298	6	CA704957	CA704957 wdk1c.pk0
	509	17	65.4	299	1	AI069558	AI069558 TENU2592
c	510	17	65.4	299	9	BX181869	BX181869 Danio rer
	511	17	65.4	301	2	BB394925	BB394925 BB394925
c	512	17	65.4	305	4	BJ215918	BJ215918 BJ215918
c	513	17	65.4	316	7	CV277762	CV277762 WS0144.B2
c	514	17	65.4	316	8	AQ071159	AQ071159 HS_3013_B
c	515	17	65.4	320	7	CV276924	CV276924 WS0142.B2
c	516	17	65.4	324	1	AA515377	AA515377 nf65a05.s
c	517	17	65.4	325	4	BG297209	BG297209 602394914
	518	17	65.4	325	7	CK744603	CK744603 ltu01-1ms
c	519	17	65.4	326	7	CV282584	CV282584 WS0185.B2
c	520	17	65.4	329	7	CV281644	CV281644 WS0182.B2
	521	17	65.4	329	9	AG236418	AG236418 Lotus cor
	522	17	65.4	332	8	BH879170	BH879170 hs86g02.g
	523	17	65.4	335	2	BB189602	BB189602 BB189602
c	524	17	65.4	337	7	CV277283	CV277283 WS0143.B2
	525	17	65.4	338	2	AW936619	AW936619 PM2-DT002
c	526	17	65.4	344	2	AW333577	AW333577 S23E1 AGS
	527	17	65.4	344	7	CV131358	CV131358 L2P02g04
	528	17	65.4	348	5	BP628453	BP628453 BP628453
c	529	17	65.4	355	7	Z17593	Z17593 ATTS0167 Gi
	530	17	65.4	356	6	C91765	C91765 C91765 Rice
	531	17	65.4	357	5	BP630039	BP630039 BP630039
	532	17	65.4	358	1	AV520320	AV520320 AV520320
	533	17	65.4	359	5	BP631594	BP631594 BP631594
	534	17	65.4	361	7	CV095484	CV095484 FAMU_USDA
	535	17	65.4	363	5	BP652126	BP652126 BP652126

	536	17	65.4	363	7	R00036	R00036 ye70b08.s1
c	537	17	65.4	364	2	BE399404	BE399404 WHE0035.G
	538	17	65.4	365	5	BP623292	BP623292 BP623292
	539	17	65.4	368	2	BE807326	BE807326 ss17h03.y
	540	17	65.4	368	5	BP622070	BP622070 BP622070
c	541	17	65.4	370	1	AA514513	AA514513 nf62c09.s
	542	17	65.4	370	5	BP630243	BP630243 BP630243
	543	17	65.4	372	5	BP622530	BP622530 BP622530
c	544	17	65.4	374	1	AI470165	AI470165 tj91e05.x
	545	17	65.4	374	5	BP622015	BP622015 BP622015
	546	17	65.4	376	7	R06678	R06678 yf10h01.r1
c	547	17	65.4	379	5	BX605045	BX605045 BX605045
c	548	17	65.4	381	7	CV283843	CV283843 WS0188.B2
	549	17	65.4	382	1	AV802060	AV802060 AV802060
c	550	17	65.4	383	6	CB925371	CB925371 ABA1_32_D
c	551	17	65.4	384	5	BX604432	BX604432 BX604432
	552	17	65.4	385	6	CA595812	CA595812 wpa1c.pk0
	553	17	65.4	385	6	CD938878	CD938878 OV.111F12
	554	17	65.4	387	1	AV801655	AV801655 AV801655
	555	17	65.4	387	5	BP633265	BP633265 BP633265
c	556	17	65.4	387	7	CN959370	CN959370 6870_1001
	557	17	65.4	388	6	CA501547	CA501547 WHE4035_E
c	558	17	65.4	389	7	CF404724	CF404724 CSECS067F
	559	17	65.4	391	5	BP666630	BP666630 BP666630
	560	17	65.4	392	1	AV802684	AV802684 AV802684
c	561	17	65.4	393	4	BM615697	BM615697 170006871
	562	17	65.4	394	5	BP652404	BP652404 BP652404
	563	17	65.4	395	1	AV814189	AV814189 AV814189
	564	17	65.4	398	1	AV811952	AV811952 AV811952
	565	17	65.4	399	5	BP663097	BP663097 BP663097
	566	17	65.4	400	1	AV785727	AV785727 AV785727
	567	17	65.4	400	1	AV812254	AV812254 AV812254
	568	17	65.4	401	1	AV797834	AV797834 AV797834
	569	17	65.4	401	1	AV804683	AV804683 AV804683
	570	17	65.4	402	5	BP567605	BP567605 BP567605
	571	17	65.4	402	5	BP666706	BP666706 BP666706
	572	17	65.4	403	1	AV798052	AV798052 AV798052
	573	17	65.4	403	1	AV799279	AV799279 AV799279
	574	17	65.4	405	1	AV803484	AV803484 AV803484
	575	17	65.4	405	1	AV815320	AV815320 AV815320
	576	17	65.4	405	5	BP661818	BP661818 BP661818
c	577	17	65.4	405	8	AZ302482	AZ302482 GSSTc1250
	578	17	65.4	406	1	AV565698	AV565698 AV565698
	579	17	65.4	406	1	AV799192	AV799192 AV799192
	580	17	65.4	406	5	BP588630	BP588630 BP588630
	581	17	65.4	406	5	BP651463	BP651463 BP651463
c	582	17	65.4	406	5	BU636244	048C03 In
c	583	17	65.4	406	7	CN968963	CN968963 16460_123
c	584	17	65.4	406	8	AZ214630	AZ214630 Sheared D
	585	17	65.4	408	1	AV518768	AV518768 AV518768
	586	17	65.4	408	1	AV803622	AV803622 AV803622
	587	17	65.4	409	1	AV805705	AV805705 AV805705
	588	17	65.4	412	5	BP625035	BP625035 BP625035
	589	17	65.4	413	1	AV820529	AV820529 AV820529
	590	17	65.4	414	1	AV800786	AV800786 AV800786
	591	17	65.4	414	5	BP659976	BP659976 BP659976
	592	17	65.4	415	1	AV788951	AV788951 AV788951
	593	17	65.4	415	1	AV789250	AV789250 AV789250
	594	17	65.4	415	1	AV805523	AV805523 AV805523
c	595	17	65.4	415	6	CA668758	CA668758 wlsu1.pk0
	596	17	65.4	416	1	AV788888	AV788888 AV788888
	597	17	65.4	416	1	AV789109	AV789109 AV789109
	598	17	65.4	416	1	AV810028	AV810028 AV810028
	599	17	65.4	416	1	AV811579	AV811579 AV811579
c	600	17	65.4	416	7	CF449685	CF449685 EST686030
	601	17	65.4	417	1	AV790573	AV790573 AV790573
	602	17	65.4	417	1	AV802290	AV802290 AV802290
	603	17	65.4	417	1	AV805498	AV805498 AV805498
	604	17	65.4	418	1	AV804380	AV804380 AV804380
	605	17	65.4	418	1	AV817055	AV817055 AV817055
	606	17	65.4	419	1	AV788313	AV788313 AV788313
	607	17	65.4	419	1	AV789496	AV789496 AV789496
	608	17	65.4	419	5	BP665417	BP665417 BP665417
	609	17	65.4	420	1	AV787473	AV787473 AV787473
	610	17	65.4	421	1	AV518765	AV518765 AV518765
	611	17	65.4	421	1	AV788627	AV788627 AV788627
	612	17	65.4	421	1	AV804789	AV804789 AV804789
	613	17	65.4	421	1	AV810545	AV810545 AV810545
	614	17	65.4	421	5	BP663214	BP663214 BP663214
c	615	17	65.4	422	6	CA668813	CA668813 wlsu1.pk0
	616	17	65.4	423	1	AV796160	AV796160 AV796160
	617	17	65.4	423	1	AV810321	AV810321 AV810321
	618	17	65.4	423	1	AV813056	AV813056 AV813056
	619	17	65.4	423	1	AV819729	AV819729 AV819729
	620	17	65.4	424	1	AV805124	AV805124 AV805124
	621	17	65.4	425	5	BP594077	BP594077 BP594077
c	622	17	65.4	426	4	BM652959	BM652959 170006873
	623	17	65.4	426	6	CA818973	CA818973 sau67a06.
	624	17	65.4	427	5	BP627296	BP627296 BP627296
	625	17	65.4	429	1	AV790926	AV790926 AV790926
	626	17	65.4	429	1	AV790955	AV790955 AV790955
	627	17	65.4	429	1	AV813033	AV813033 AV813033
	628	17	65.4	431	1	AV797817	AV797817 AV797817
	629	17	65.4	431	1	AV819072	AV819072 AV819072
	630	17	65.4	431	5	BP669028	BP669028 BP669028
	631	17	65.4	432	1	AV794936	AV794936 AV794936
	632	17	65.4	433	8	BH614099	BH614099 SALK_0354
	633	17	65.4	434	5	BP589679	BP589679 BP589679
	634	17	65.4	435	1	AV798512	AV798512 AV798512
	635	17	65.4	435	1	AV807296	AV807296 AV807296
	636	17	65.4	435	5	BP625044	BP625044 BP625044
	637	17	65.4	436	1	AV819121	AV819121 AV819121
	638	17	65.4	436	4	BJ647453	BJ647453 BJ647453
	639	17	65.4	436	5	BP585198	BP585198 BP585198
	640	17	65.4	437	5	BP601428	BP601428 BP601428
c	641	17	65.4	437	7	CV279221	CV279221 WS0148.B2
	642	17	65.4	438	1	AV518925	AV518925 AV518925
	643	17	65.4	438	5	BP636282	BP636282 BP636282
	644	17	65.4	438	7	CK104049	CK104049 I012P72.5
	645	17	65.4	439	5	BP633706	BP633706 BP633706
	646	17	65.4	439	6	BY563615	BY563615 BY563615
	647	17	65.4	440	5	BP585157	BP585157 BP585157
	648	17	65.4	441	5	BP586269	BP586269 BP586269
c	649	17	65.4	441	7	CV278655	CV278655 WS0147.B2
	650	17	65.4	443	5	BP595233	BP595233 BP595233
c	651	17	65.4	443	7	CV276907	CV276907 WS0142.B2
	652	17	65.4	444	5	BW516411	BW516411 BW516411
	653	17	65.4	446	1	AV525495	AV525495 AV525495
c	654	17	65.4	448	4	BJ321882	BJ321882 BJ321882
	655	17	65.4	449	5	BP595154	BP595154 BP595154
	656	17	65.4	450	2	BE493036	BE493036 WHE0562_F
	657	17	65.4	452	2	BF596517	BF596517 su72d02.y
c	658	17	65.4	453	5	BQ167763	BQ167763 WHE0087_G
c	659	17	65.4	453	7	CV278079	CV278079 WS0145.B2
c	660	17	65.4	454	7	CV283507	CV283507 WS0187.B2
	661	17	65.4	455	6	BY565608	BY565608 BY565608
	662	17	65.4	455	6	BY567972	BY567972 BY567972
	663	17	65.4	457	7	CF605749	CF605749 RADIC01_0
	664	17	65.4	459	7	CN008462	CN008462 WHE2641_E
c	665	17	65.4	459	9	CG993206	CG993206 ZMMBBb037
c	666	17	65.4	461	7	CV281724	CV281724 WS0182.B2
c	667	17	65.4	463	1	AI732335	AI732335 nf65a05.x
c	668	17	65.4	464	4	BJ261124	BJ261124 BJ261124
	669	17	65.4	465	8	AQ812229	AQ812229 HS_5263_A
c	670	17	65.4	467	7	CV277882	CV277882 WS0144.B2
	671	17	65.4	469	1	AV564274	AV564274 AV564274
c	672	17	65.4	469	9	CG721696	CG721696 1119068E1
c	673	17	65.4	470	2	BE403131	BE403131 GBX002.F0
	674	17	65.4	470	4	BM519902	BM519902 sak86a08.
c	675	17	65.4	471	7	CV282023	CV282023 WS0183.B2
	676	17	65.4	472	7	CV277173	CV277173 WS0142.B2
c	677	17	65.4	472	7	CV278267	CV278267 WS0145.B2
c	678	17	65.4	472	7	CV278548	CV278548 WS0146.B2
c	679	17	65.4	472	7	CV278632	CV278632 WS0146.B2
c	680	17	65.4	472	7	CV278786	CV278786 WS0147.B2
c	681	17	65.4	473	5	BQ013381	BQ013381 UI-1-BC1p

c 682	17	65.4	473	7	CV278031	CV278031 WS0145.B2
c 683	17	65.4	473	7	CV278319	CV278319 WS0146.B2
c 684	17	65.4	473	8	BH212420	BH212420 SALK_0075
685	17	65.4	474	2	BF292008	BF292008 WHE2203_E
c 686	17	65.4	474	5	BY252984	BY252984 BY252984
c 687	17	65.4	474	7	CV278416	CV278416 WS0146.B2
c 688	17	65.4	475	7	CV279044	CV279044 WS0148.B2
c 689	17	65.4	476	7	CV279247	CV279247 WS0148.B2
c 690	17	65.4	476	7	CV282004	CV282004 WS0183.B2
c 691	17	65.4	477	7	CV277336	CV277336 WS0143.B2
c 692	17	65.4	477	7	CV277852	CV277852 WS0144.B2
c 693	17	65.4	478	6	CA673864	CA673864 wlsu2.pk0
c 694	17	65.4	478	7	CV277984	CV277984 WS0145.B2
c 695	17	65.4	478	7	CV279016	CV279016 WS0148.B2
c 696	17	65.4	478	7	CV281646	CV281646 WS0182.B2
c 697	17	65.4	478	7	CV282325	CV282325 WS0184.B2
c 698	17	65.4	478	7	CV282633	CV282633 WS0185.B2
c 699	17	65.4	479	2	BE515937	BE515937 WHE0604_G
c 700	17	65.4	479	7	CV277422	CV277422 WS0143.B2
c 701	17	65.4	479	7	CV278538	CV278538 WS0146.B2
c 702	17	65.4	479	7	CV281541	CV281541 WS0182.B2
703	17	65.4	480	1	AV525847	AV525847 AV525847
c 704	17	65.4	480	7	CV276531	CV276531 WS0141.B2
c 705	17	65.4	480	7	CV276682	CV276682 WS0141.B2
c 706	17	65.4	480	7	CV277035	CV277035 WS0142.B2
c 707	17	65.4	480	7	CV278399	CV278399 WS0146.B2
c 708	17	65.4	480	7	CV278884	CV278884 WS0147.B2
c 709	17	65.4	480	7	CV281382	CV281382 WS0181.B2
c 710	17	65.4	480	7	CV282290	CV282290 WS0184.B2
c 711	17	65.4	480	7	CV283041	CV283041 WS0186.B2
c 712	17	65.4	480	7	CV283168	CV283168 WS0186.B2
713	17	65.4	481	4	BM284047	BM284047 ki29b04.y
714	17	65.4	481	7	CV094218	CV094218 FAMU_USDA
c 715	17	65.4	481	7	CV277497	CV277497 WS0143.B2
c 716	17	65.4	481	7	CV277535	CV277535 WS0143.B2
c 717	17	65.4	481	7	CV278711	CV278711 WS0147.B2
c 718	17	65.4	481	7	CV282846	CV282846 WS0185.B2
719	17	65.4	481	8	AQ851932	AQ851932 LMAJFV1_1
c 720	17	65.4	482	7	CV276777	CV276777 WS0141.B2
c 721	17	65.4	482	7	CV277249	CV277249 WS0143.B2
c 722	17	65.4	482	7	CV277351	CV277351 WS0143.B2
c 723	17	65.4	482	7	CV277519	CV277519 WS0143.B2
c 724	17	65.4	482	7	CV281706	CV281706 WS0182.B2
c 725	17	65.4	482	7	CV282146	CV282146 WS0183.B2
726	17	65.4	483	1	AV524943	AV524943 AV524943
c 727	17	65.4	483	7	CV276609	CV276609 WS0141.B2
c 728	17	65.4	483	7	CV277172	CV277172 WS0142.B2
c 729	17	65.4	483	7	CV278771	CV278771 WS0147.B2
c 730	17	65.4	483	7	CV281129	CV281129 WS0181.B2
c 731	17	65.4	483	7	CV281790	CV281790 WS0182.B2
c 732	17	65.4	484	7	CV277990	CV277990 WS0145.B2
c 733	17	65.4	484	7	CV278054	CV278054 WS0145.B2
c 734	17	65.4	484	7	CV278204	CV278204 WS0145.B2
c 735	17	65.4	484	7	CV278417	CV278417 WS0146.B2
c 736	17	65.4	484	7	CV282143	CV282143 WS0183.B2
c 737	17	65.4	485	5	BM965197	BM965197 kj93b01.y
c 738	17	65.4	485	7	CV278514	CV278514 WS0146.B2
c 739	17	65.4	485	7	CV278587	CV278587 WS0146.B2
c 740	17	65.4	485	7	CV278666	CV278666 WS0147.B2
c 741	17	65.4	485	7	CV278993	CV278993 WS0148.B2
c 742	17	65.4	485	7	CV279178	CV279178 WS0148.B2
c 743	17	65.4	485	7	CV281156	CV281156 WS0181.B2
c 744	17	65.4	485	7	CV282340	CV282340 WS0184.B2
745	17	65.4	485	8	BZ338700	BZ338700 ia97c06.b
c 746	17	65.4	486	7	CV277752	CV277752 WS0144.B2
c 747	17	65.4	486	7	CV278920	CV278920 WS0147.B2
c 748	17	65.4	486	7	CV281842	CV281842 WS0183.B2
c 749	17	65.4	486	7	CV282357	CV282357 WS0184.B2
c 750	17	65.4	487	7	CV279096	CV279096 WS0148.B2
c 751	17	65.4	487	7	CV279145	CV279145 WS0148.B2
c 752	17	65.4	487	7	CV282407	CV282407 WS0184.B2
c 753	17	65.4	487	7	CV283828	CV283828 WS0188.B2
c 754	17	65.4	488	4	BJ215757	BJ215757 BJ215757
c 755	17	65.4	488	7	CV276759	CV276759 WS0141.B2
c 756	17	65.4	488	7	CV277082	CV277082 WS0142.B2
c 757	17	65.4	488	7	CV277378	CV277378 WS0143.B2
c 758	17	65.4	488	7	CV278193	CV278193 WS0145.B2
c 759	17	65.4	488	7	CV278618	CV278618 WS0146.B2
c 760	17	65.4	488	7	CV278652	CV278652 WS0147.B2
c 761	17	65.4	488	7	CV279248	CV279248 WS0148.B2
c 762	17	65.4	488	7	CV281335	CV281335 WS0181.B2
c 763	17	65.4	488	7	CV281358	CV281358 WS0181.B2
c 764	17	65.4	488	7	CV281459	CV281459 WS0181.B2
c 765	17	65.4	488	7	CV281512	CV281512 WS0182.B2
c 766	17	65.4	488	7	CV281597	CV281597 WS0182.B2
c 767	17	65.4	488	7	CV281988	CV281988 WS0183.B2
c 768	17	65.4	488	7	CV282687	CV282687 WS0185.B2
c 769	17	65.4	488	7	CV282955	CV282955 WS0186.B2
c 770	17	65.4	489	7	CV277401	CV277401 WS0143.B2
c 771	17	65.4	489	7	CV277504	CV277504 WS0143.B2
c 772	17	65.4	489	7	CV278246	CV278246 WS0145.B2
c 773	17	65.4	489	7	CV281623	CV281623 WS0182.B2
774	17	65.4	490	1	AI999414	AI999414 701555793
c 775	17	65.4	490	7	CV276556	CV276556 WS0141.B2
c 776	17	65.4	490	7	CV276793	CV276793 WS0141.B2
c 777	17	65.4	490	7	CV277109	CV277109 WS0142.B2
c 778	17	65.4	490	7	CV277331	CV277331 WS0143.B2
c 779	17	65.4	490	7	CV277520	CV277520 WS0143.B2
c 780	17	65.4	490	7	CV277946	CV277946 WS0145.B2
c 781	17	65.4	490	7	CV278350	CV278350 WS0146.B2
c 782	17	65.4	490	7	CV278475	CV278475 WS0146.B2
c 783	17	65.4	490	7	CV278779	CV278779 WS0147.B2
c 784	17	65.4	490	7	CV278902	CV278902 WS0147.B2
c 785	17	65.4	490	7	CV279194	CV279194 WS0148.B2
c 786	17	65.4	490	7	CV282803	CV282803 WS0185.B2
c 787	17	65.4	490	7	CV283030	CV283030 WS0186.B2
c 788	17	65.4	490	7	CV283244	CV283244 WS0186.B2
c 789	17	65.4	491	7	CV276548	CV276548 WS0141.B2
c 790	17	65.4	491	7	CV276558	CV276558 WS0141.B2
c 791	17	65.4	491	7	CV276588	CV276588 WS0141.B2
c 792	17	65.4	491	7	CV276723	CV276723 WS0141.B2
c 793	17	65.4	491	7	CV276927	CV276927 WS0142.B2
c 794	17	65.4	491	7	CV276933	CV276933 WS0142.B2
c 795	17	65.4	491	7	CV276965	CV276965 WS0142.B2
c 796	17	65.4	491	7	CV276992	CV276992 WS0142.B2
c 797	17	65.4	491	7	CV277034	CV277034 WS0142.B2
c 798	17	65.4	491	7	CV277115	CV277115 WS0142.B2
c 799	17	65.4	491	7	CV277279	CV277279 WS0143.B2
c 800	17	65.4	491	7	CV277409	CV277409 WS0143.B2
c 801	17	65.4	491	7	CV277416	CV277416 WS0143.B2
c 802	17	65.4	491	7	CV277576	CV277576 WS0143.B2
c 803	17	65.4	491	7	CV277581	CV277581 WS0143.B2
c 804	17	65.4	491	7	CV277644	CV277644 WS0144.B2
c 805	17	65.4	491	7	CV277761	CV277761 WS0144.B2
c 806	17	65.4	491	7	CV277785	CV277785 WS0144.B2
c 807	17	65.4	491	7	CV277803	CV277803 WS0144.B2
c 808	17	65.4	491	7	CV277816	CV277816 WS0144.B2
c 809	17	65.4	491	7	CV277845	CV277845 WS0144.B2
c 810	17	65.4	491	7	CV278058	CV278058 WS0145.B2
c 811	17	65.4	491	7	CV278078	CV278078 WS0145.B2
c 812	17	65.4	491	7	CV278141	CV278141 WS0145.B2
c 813	17	65.4	491	7	CV278150	CV278150 WS0145.B2
c 814	17	65.4	491	7	CV278222	CV278222 WS0145.B2
c 815	17	65.4	491	7	CV278421	CV278421 WS0146.B2
c 816	17	65.4	491	7	CV278451	CV278451 WS0146.B2
c 817	17	65.4	491	7	CV278814	CV278814 WS0147.B2
c 818	17	65.4	491	7	CV278860	CV278860 WS0147.B2
c 819	17	65.4	491	7	CV278903	CV278903 WS0147.B2
c 820	17	65.4	491	7	CV278925	CV278925 WS0147.B2
c 821	17	65.4	491	7	CV278937	CV278937 WS0147.B2
c 822	17	65.4	491	7	CV279052	CV279052 WS0148.B2
c 823	17	65.4	491	7	CV279207	CV279207 WS0148.B2
c 824	17	65.4	491	7	CV281176	CV281176 WS0181.B2
c 825	17	65.4	491	7	CV281188	CV281188 WS0181.B2
c 826	17	65.4	491	7	CV281284	CV281284 WS0181.B2
c 827	17	65.4	491	7	CV281350	CV281350 WS0181.B2

c 828	17	65.4	491	7	CV281440	CV281440	WS0181.B2
c 829	17	65.4	491	7	CV281480	CV281480	WS0182.B2
c 830	17	65.4	491	7	CV281554	CV281554	WS0182.B2
c 831	17	65.4	491	7	CV281684	CV281684	WS0182.B2
c 832	17	65.4	491	7	CV281729	CV281729	WS0182.B2
c 833	17	65.4	491	7	CV281798	CV281798	WS0182.B2
c 834	17	65.4	491	7	CV281807	CV281807	WS0182.B2
c 835	17	65.4	491	7	CV281858	CV281858	WS0183.B2
c 836	17	65.4	491	7	CV281870	CV281870	WS0183.B2
c 837	17	65.4	491	7	CV281919	CV281919	WS0183.B2
c 838	17	65.4	491	7	CV282024	CV282024	WS0183.B2
c 839	17	65.4	491	7	CV282164	CV282164	WS0183.B2
c 840	17	65.4	491	7	CV282221	CV282221	WS0184.B2
c 841	17	65.4	491	7	CV282234	CV282234	WS0184.B2
c 842	17	65.4	491	7	CV282344	CV282344	WS0184.B2
c 843	17	65.4	491	7	CV282413	CV282413	WS0184.B2
c 844	17	65.4	491	7	CV282481	CV282481	WS0184.B2
c 845	17	65.4	491	7	CV282540	CV282540	WS0184.B2
c 846	17	65.4	491	7	CV282787	CV282787	WS0185.B2
c 847	17	65.4	491	7	CV282795	CV282795	WS0185.B2
c 848	17	65.4	491	7	CV282853	CV282853	WS0185.B2
c 849	17	65.4	491	7	CV282952	CV282952	WS0186.B2
c 850	17	65.4	491	7	CV283001	CV283001	WS0186.B2
c 851	17	65.4	491	7	CV283038	CV283038	WS0186.B2
c 852	17	65.4	491	7	CV283249	CV283249	WS0186.B2
c 853	17	65.4	491	7	CV283353	CV283353	WS0187.B2
c 854	17	65.4	491	7	CV283444	CV283444	WS0187.B2
c 855	17	65.4	491	7	CV283529	CV283529	WS0187.B2
c 856	17	65.4	491	7	CV283673	CV283673	WS0187.B2
c 857	17	65.4	491	7	CV283771	CV283771	WS0188.B2
c 858	17	65.4	491	7	CV283977	CV283977	WS0188.B2
c 859	17	65.4	491	7	CV283984	CV283984	WS0188.B2
860	17	65.4	492	6	CA645115	CA645115	wre1n.pk0
c 861	17	65.4	492	7	CV276835	CV276835	WS0141.B2
c 862	17	65.4	492	7	CV277704	CV277704	WS0144.B2
c 863	17	65.4	492	7	CV277838	CV277838	WS0144.B2
c 864	17	65.4	492	7	CV277893	CV277893	WS0144.B2
c 865	17	65.4	492	7	CV278789	CV278789	WS0147.B2
c 866	17	65.4	492	7	CV281755	CV281755	WS0182.B2
c 867	17	65.4	492	7	CV281774	CV281774	WS0182.B2
c 868	17	65.4	493	7	CV276601	CV276601	WS0141.B2
c 869	17	65.4	493	7	CV277187	CV277187	WS0142.B2
c 870	17	65.4	493	7	CV277313	CV277313	WS0143.B2
c 871	17	65.4	493	7	CV277514	CV277514	WS0143.B2
c 872	17	65.4	493	7	CV277594	CV277594	WS0144.B2
c 873	17	65.4	493	7	CV278226	CV278226	WS0145.B2
c 874	17	65.4	493	7	CV278390	CV278390	WS0146.B2
c 875	17	65.4	493	7	CV278766	CV278766	WS0147.B2
c 876	17	65.4	493	7	CV278797	CV278797	WS0147.B2
c 877	17	65.4	493	7	CV278931	CV278931	WS0147.B2
c 878	17	65.4	493	7	CV281181	CV281181	WS0181.B2
c 879	17	65.4	493	7	CV281272	CV281272	WS0181.B2
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c 881	17	65.4	493	7	CV281835	CV281835	WS0182.B2
c 882	17	65.4	493	7	CV282341	CV282341	WS0184.B2
c 883	17	65.4	493	7	CV282351	CV282351	WS0184.B2
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c 885	17	65.4	493	7	CV282497	CV282497	WS0184.B2
c 886	17	65.4	493	7	CV282791	CV282791	WS0185.B2
c 887	17	65.4	493	7	CV282855	CV282855	WS0185.B2
c 888	17	65.4	493	7	CV283358	CV283358	WS0187.B2
c 889	17	65.4	493	7	CV283390	CV283390	WS0187.B2
c 890	17	65.4	493	7	CV283429	CV283429	WS0187.B2
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c 893	17	65.4	493	7	CV283786	CV283786	WS0188.B2
c 894	17	65.4	494	7	CV276513	CV276513	WS0141.B2
c 895	17	65.4	494	7	CV276636	CV276636	WS0141.B2
c 896	17	65.4	494	7	CV276686	CV276686	WS0141.B2
c 897	17	65.4	494	7	CV276716	CV276716	WS0141.B2
c 898	17	65.4	494	7	CV276804	CV276804	WS0141.B2
c 899	17	65.4	494	7	CV276995	CV276995	WS0142.B2
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c 901	17	65.4	494	7	CV277413	CV277413	WS0143.B2
c 902	17	65.4	494	7	CV277516	CV277516	WS0143.B2
c 903	17	65.4	494	7	CV277936	CV277936	WS0144.B2
c 904	17	65.4	494	7	CV278075	CV278075	WS0145.B2
c 905	17	65.4	494	7	CV278094	CV278094	WS0145.B2
c 906	17	65.4	494	7	CV278127	CV278127	WS0145.B2
c 907	17	65.4	494	7	CV278470	CV278470	WS0146.B2
c 908	17	65.4	494	7	CV278519	CV278519	WS0146.B2
c 909	17	65.4	494	7	CV278705	CV278705	WS0147.B2
c 910	17	65.4	494	7	CV278712	CV278712	WS0147.B2
c 911	17	65.4	494	7	CV279010	CV279010	WS0148.B2
c 912	17	65.4	494	7	CV279028	CV279028	WS0148.B2
c 913	17	65.4	494	7	CV279223	CV279223	WS0148.B2
c 914	17	65.4	494	7	CV281107	CV281107	WS0181.B2
c 915	17	65.4	494	7	CV281155	CV281155	WS0181.B2
c 916	17	65.4	494	7	CV281203	CV281203	WS0181.B2
c 917	17	65.4	494	7	CV281225	CV281225	WS0181.B2
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c 919	17	65.4	494	7	CV281405	CV281405	WS0181.B2
c 920	17	65.4	494	7	CV281803	CV281803	WS0182.B2
c 921	17	65.4	494	7	CV281971	CV281971	WS0183.B2
c 922	17	65.4	494	7	CV282197	CV282197	WS0183.B2
c 923	17	65.4	494	7	CV282653	CV282653	WS0185.B2
c 924	17	65.4	494	7	CV282840	CV282840	WS0185.B2
c 925	17	65.4	494	7	CV283525	CV283525	WS0187.B2
c 926	17	65.4	494	7	CV283647	CV283647	WS0187.B2
c 927	17	65.4	494	7	CV283660	CV283660	WS0187.B2
c 928	17	65.4	494	7	CV283729	CV283729	WS0188.B2
929	17	65.4	495	6	CA960711	CA960711	TgESTzye1
c 930	17	65.4	495	7	CV276856	CV276856	WS0141.B2
c 931	17	65.4	495	7	CV281702	CV281702	WS0182.B2
c 932	17	65.4	495	7	CV282112	CV282112	WS0183.B2
c 933	17	65.4	495	7	CV282139	CV282139	WS0183.B2
c 934	17	65.4	495	7	CV282602	CV282602	WS0185.B2
c 935	17	65.4	495	7	CV283421	CV283421	WS0187.B2
c 936	17	65.4	495	7	CV283887	CV283887	WS0188.B2
c 937	17	65.4	496	7	CV276735	CV276735	WS0141.B2
c 938	17	65.4	496	7	CV277702	CV277702	WS0144.B2
c 939	17	65.4	496	7	CV277797	CV277797	WS0144.B2
c 940	17	65.4	496	7	CV278040	CV278040	WS0145.B2
c 941	17	65.4	496	7	CV281387	CV281387	WS0181.B2
c 942	17	65.4	496	7	CV281502	CV281502	WS0182.B2
c 943	17	65.4	496	7	CV281960	CV281960	WS0183.B2
c 944	17	65.4	496	7	CV282757	CV282757	WS0185.B2
c 945	17	65.4	496	7	CV282802	CV282802	WS0185.B2
c 946	17	65.4	496	7	CV283043	CV283043	WS0186.B2
c 947	17	65.4	496	7	CV283643	CV283643	WS0187.B2
c 948	17	65.4	496	7	CV284001	CV284001	WS0188.B2
c 949	17	65.4	497	7	CV276795	CV276795	WS0141.B2
c 950	17	65.4	497	7	CV277334	CV277334	WS0143.B2
c 951	17	65.4	497	7	CV277771	CV277771	WS0144.B2
c 952	17	65.4	497	7	CV281669	CV281669	WS0182.B2
c 953	17	65.4	497	7	CV283935	CV283935	WS0188.B2
c 954	17	65.4	498	5	BP118452	BP118452	BP118452
c 955	17	65.4	498	7	CV277046	CV277046	WS0142.B2
c 956	17	65.4	498	7	CV278107	CV278107	WS0145.B2
c 957	17	65.4	498	7	CV278858	CV278858	WS0147.B2
c 958	17	65.4	498	7	CV281100	CV281100	WS0181.B2
959	17	65.4	499	5	BW574767	BW574767	BW574767
960	17	65.4	499	6	CA599692	CA599692	waw1c.pk0
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c 962	17	65.4	500	7	CV277300	CV277300	WS0143.B2
c 963	17	65.4	500	7	CV277318	CV277318	WS0143.B2
c 964	17	65.4	500	7	CV278258	CV278258	WS0145.B2
c 965	17	65.4	500	7	CV283116	CV283116	WS0186.B2
c 966	17	65.4	502	7	CV282050	CV282050	WS0183.B2
c 967	17	65.4	502	7	CV283546	CV283546	WS0187.B2
c 968	17	65.4	503	7	CV277942	CV277942	WS0144.B2
c 969	17	65.4	503	7	CV282101	CV282101	WS0183.B2
c 970	17	65.4	505	7	CV283006	CV283006	WS0186.B2
c 971	17	65.4	505	7	CV283587	CV283587	WS0187.B2
c 972	17	65.4	506	7	CV276625	CV276625	WS0141.B2
973	17	65.4	507	1	AV521314	AV521314	AV521314

974	17	65.4	509	7	CV282621	CV282621 WS0185.B2
c 975	17	65.4	511	5	BQ007428	BQ007428 UI-1-BC1-
c 976	17	65.4	511	6	CA668976	CA668976 wlsu1.pk0
c 977	17	65.4	511	7	CV282082	CV282082 WS0183.B2
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c 979	17	65.4	512	7	CV278407	CV278407 WS0146.B2
c 980	17	65.4	512	8	AQ646203	AQ646203 RPCI93-Dp
981	17	65.4	513	7	CN520940	CN520940 GQ0108.B3
c 982	17	65.4	514	6	CB927381	CB927381 ABA1_25_C
c 983	17	65.4	515	7	CV277824	CV277824 WS0144.B2
c 984	17	65.4	517	7	CV276734	CV276734 WS0141.B2
c 985	17	65.4	518	7	CV277796	CV277796 WS0144.B2
c 986	17	65.4	520	1	AU167428	AU167428 AU167428
c 987	17	65.4	520	8	AQ757827	AQ757827 HS_5475_B
c 988	17	65.4	521	6	CD207167	CD207167 HSI_27_B0
c 989	17	65.4	523	4	BJ214959	BJ214959 BJ214959
c 990	17	65.4	523	6	CA667859	CA667859 wlsu1.pk0
c 991	17	65.4	524	4	BJ014206	BJ014206 BJ014206
992	17	65.4	524	4	BM515397	BM515397 kj48e06.y
c 993	17	65.4	524	7	CV236924	CV236924 WS01225.B
c 994	17	65.4	524	7	CV277525	CV277525 WS0143.B2
995	17	65.4	524	9	TA380A11P	AL497715 T. brucei
996	17	65.4	525	2	BE460037	BE460037 EST415329
c 997	17	65.4	525	6	CA036825	CA036825 ssaltc010
998	17	65.4	526	6	CA701515	CA701515 wkm2c.pk0
c 999	17	65.4	527	1	AV779784	AV779784 AV779784
c1000	17	65.4	527	9	TA241A09P	AL481642 T. brucei

ALIGNMENTS

RESULT 1
CL678320
LOCUS CL678320 745 bp DNA linear GSS 09-JUL-2004
DEFINITION PRI0122c_F04_2 - PRI0122c.BR (745) Mixed stage fosmid library of P. pacificus var. California Pristionchus pacificus genomic, genomic survey sequence.
ACCESSION CL678320
VERSION CL678320.1 GI:50184583
KEYWORDS GSS.
SOURCE Pristionchus pacificus
ORGANISM Pristionchus pacificus
Eukaryota; Metazoa; Nematoda; Chromadorea; Diplogasterida; Neodiplogasteridae; Pristionchus.
REFERENCE 1 (bases 1 to 745)
AUTHORS Srinivasan,J., Otto,G.W., Kahlow,U., Geisler,R. and Sommer,R.J.
TITLE AppaDB: an AcedB database for the nematode satellite organism Pristionchus pacificus
JOURNAL Nucleic Acids Res. 32 (1), D421-D422 (2004)
COMMENT Contact: Sommer RJ
Evolutionary Biology
Max-Planck-Institute for Developmental Biology
Spemannstr. 37-39, Tuebingen D-72076, Germany
Tel: 00497071601371
Fax: 00497071601498
Email: ralf.sommer@tuebingen.mpg.de
This library was generated at Caltech, Pasadena, USA and end sequenced at Vancouver, Canada.
Seq primer: T7
Class: fosmid ends.
FEATURES Location/Qualifiers
source 1. .745
/organism="Pristionchus pacificus"
/mol_type="genomic DNA"
/strain="California"
/db_xref="taxon:54126"
/clone_lib="Mixed stage fosmid library of P. pacificus var. California"
/note="Vector: pEpifos-5 Fosmid vector"
ORIGIN

Query Match 100.0%; Score 26; DB 9; Length 745;
Best Local Similarity 100.0%; Pred. No. 1.1;
Matches 26; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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Qy          1 GTTATGTATTGCTGCTGTTTGCGGCG 26
              ||||||||||||||||||||||||||
Db        634 GTTATGTATTGCTGCTGTTTGCGGCG 659
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RESULT 2
CNS01PYO
LOCUS CNS01PYO 818 bp DNA linear GSS 14-JUN-2001
DEFINITION Anopheles gambiae GSS T7 end of clone 29K13 of NotreDame1 library from strain PEST of Anopheles gambiae (African malaria mosquito), genomic survey sequence.
ACCESSION AL155440
VERSION AL155440.1 GI:7016359
KEYWORDS GSS.
SOURCE Anopheles gambiae (African malaria mosquito)
ORGANISM Anopheles gambiae
Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota; Neoptera; Endopterygota; Diptera; Nematocera; Culicoidea; Anopheles.
REFERENCE 1 (bases 1 to 818)
AUTHORS Genoscope.
TITLE Direct Submission
JOURNAL Submitted (16-FEB-2000) Genoscope - Centre National de Sequencage : BP 191 91006 EVRY cedex - FRANCE (E-mail : seqref@genoscope.cns.fr - Web : www.genoscope.cns.fr)
REFERENCE 2 (bases 1 to 818)
AUTHORS Roth,C.W., Brey,P.T., Ke,Z., Collins,F.H. and Weissenbach,J.
TITLE Direct Submission
JOURNAL Submitted (16-FEB-2000) BBMI, Institut Pasteur, 25, rue du Dr. Roux, Paris 75015, France
COMMENT This clone is from an A. gambiae BAC library provided by F.H. Collins and sequenced by Genoscope in collaboration with the Laboratory of Biochem. and Biol. Molec. of Insects, Institut Pasteur.
FEATURES Location/Qualifiers
source 1. .818
/organism="Anopheles gambiae"
/mol_type="genomic DNA"
/strain="PEST"
/db_xref="taxon:7165"
/clone="29K13"
/clone_lib="NotreDame1"
/note="end : T7"
ORIGIN

Query Match 80.0%; Score 20.8; DB 9; Length 818;
Best Local Similarity 91.7%; Pred. No. 2.1e+02;
Matches 22; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy          1 GTTATGTATTGCTGCTGTTTGCGG 24
              |||| ||| ||||||||||||||
Db        539 GTTACGTACTGCTGCTGTTTGCGG 562
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RESULT 3
CNS01E5X
LOCUS CNS01E5X 827 bp DNA linear GSS 30-MAY-2001
DEFINITION Anopheles gambiae GSS SP6 end of clone 01I16 of NotreDame1 library from strain PEST of Anopheles gambiae (African malaria mosquito), genomic survey sequence.
ACCESSION AL140134
VERSION AL140134.1 GI:6998252
KEYWORDS GSS.
SOURCE Anopheles gambiae (African malaria mosquito)
ORGANISM Anopheles gambiae
Eukaryota; Metazoa; Arthropoda; Hexapoda; Insecta; Pterygota; Neoptera; Endopterygota; Diptera; Nematocera; Culicoidea; Anopheles.
REFERENCE 1 (bases 1 to 827)
AUTHORS Genoscope.

GenCore version 5.1.6

OM nucleic - nucleic search, using sw model

Run on: April 16, 2005, 01:19:30 ; Search time 62.4486 Seconds
(without alignments)
681.251 Million cell updates/sec

Title: US-10-025-137B-8
Perfect score: 26
Sequence: 1 gttatgtattgctgctgtttgcggcg 26

Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 1202784 seqs, 818138359 residues

Total number of hits satisfying chosen parameters: 2198208

Minimum DB seq length: 0
Maximum DB seq length: 1000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 1000 summaries

Database : Issued_Patents_NA:*
1: /cgn2_6/ptodata/1/ina/5A_COMB.seq:*
2: /cgn2_6/ptodata/1/ina/5B_COMB.seq:*
3: /cgn2_6/ptodata/1/ina/6A_COMB.seq:*
4: /cgn2_6/ptodata/1/ina/6B_COMB.seq:*
5: /cgn2_6/ptodata/1/ina/PCTUS_COMB.seq:*
6: /cgn2_6/ptodata/1/ina/backfiles1.seq:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

	Result No.	Score	% Query Match	Length	DB	ID	Description
	1	19.2	73.8	597	4	US-09-673-763-9	Sequence 9, Appli
	2	18.6	71.5	760	4	US-09-270-767-13354	Sequence 13354, A
c	3	18	69.2	366	4	US-09-248-796A-10171	Sequence 10171, A
	4	17.4	66.9	601	4	US-09-949-016-157493	Sequence 157493,
	5	17.4	66.9	601	4	US-09-949-016-157600	Sequence 157600,
	6	17	65.4	601	4	US-09-949-016-186636	Sequence 186636,
c	7	16.8	64.6	263	4	US-09-313-294A-1888	Sequence 1888, Ap
	8	16.8	64.6	678	3	US-09-221-017B-345	Sequence 345, App
	9	16.4	63.1	493	4	US-09-270-767-9530	Sequence 9530, Ap
	10	16.4	63.1	493	4	US-09-270-767-24812	Sequence 24812, A
	11	16.4	63.1	601	4	US-09-949-016-194049	Sequence 194049,
	12	16.4	63.1	876	4	US-09-248-796A-6484	Sequence 6484, Ap
c	13	16.4	63.1	918	4	US-09-107-532A-1604	Sequence 1604, Ap
c	14	16.2	62.3	137	4	US-09-270-767-30700	Sequence 30700, A
	15	16.2	62.3	151	4	US-09-513-999C-24518	Sequence 24518, A
	16	16.2	62.3	243	4	US-09-543-681A-735	Sequence 735, App
	17	16.2	62.3	266	3	US-09-060-756-230	Sequence 230, App
	18	16.2	62.3	266	4	US-09-670-314-230	Sequence 230, App
c	19	16.2	62.3	315	4	US-09-545-216A-7	Sequence 7, Appli
	20	16.2	62.3	322	4	US-09-513-999C-35931	Sequence 35931, A
	21	16.2	62.3	462	3	US-09-060-756-540	Sequence 540, App
	22	16.2	62.3	462	4	US-09-670-314-540	Sequence 540, App
c	23	16.2	62.3	462	4	US-09-270-767-14516	Sequence 14516, A
	24	16.2	62.3	531	4	US-09-252-991A-14480	Sequence 14480, A
c	25	16.2	62.3	588	3	US-09-385-982-408	Sequence 408, App
	26	16.2	62.3	601	4	US-09-949-016-26962	Sequence 26962, A
	27	16.2	62.3	601	4	US-09-949-016-26963	Sequence 26963, A
	28	16.2	62.3	601	4	US-09-949-016-148683	Sequence 148683,
	29	16.2	62.3	601	4	US-09-949-016-150911	Sequence 150911,
	30	16.2	62.3	601	4	US-09-949-016-183008	Sequence 183008,
	31	16.2	62.3	601	4	US-09-949-016-183009	Sequence 183009,
	32	16.2	62.3	645	4	US-09-489-039A-2311	Sequence 2311, Ap
c	33	16.2	62.3	981	4	US-09-545-216A-1	Sequence 1, Appli
c	34	16	61.5	40	3	US-09-480-017-11	Sequence 11, Appl
c	35	16	61.5	180	3	US-09-480-017-1	Sequence 1, Appli
	36	16	61.5	524	4	US-09-270-767-3832	Sequence 3832, Ap
	37	16	61.5	524	4	US-09-270-767-19114	Sequence 19114, A
c	38	16	61.5	601	4	US-09-949-016-86105	Sequence 86105, A
c	39	16	61.5	601	4	US-09-949-016-86106	Sequence 86106, A
c	40	16	61.5	601	4	US-09-949-016-86107	Sequence 86107, A
c	41	16	61.5	601	4	US-09-949-016-86108	Sequence 86108, A
	42	16	61.5	601	4	US-09-949-016-87108	Sequence 87108, A
	43	16	61.5	601	4	US-09-949-016-205865	Sequence 205865,
c	44	16	61.5	621	4	US-09-134-000C-1447	Sequence 1447, Ap
c	45	16	61.5	622	3	US-09-385-982-151	Sequence 151, App
	46	16	61.5	677	4	US-09-976-594-540	Sequence 540, App
c	47	16	61.5	851	3	US-09-480-017-2	Sequence 2, Appli
	48	15.8	60.8	191	3	US-09-060-756-359	Sequence 359, App
	49	15.8	60.8	191	4	US-09-670-314-359	Sequence 359, App
c	50	15.8	60.8	220	4	US-09-513-999C-3551	Sequence 3551, Ap
	51	15.8	60.8	284	3	US-09-060-756-208	Sequence 208, App
	52	15.8	60.8	284	4	US-09-670-314-208	Sequence 208, App
	53	15.8	60.8	377	4	US-09-078-972A-17	Sequence 17, Appl
c	54	15.8	60.8	413	4	US-09-711-164-36	Sequence 36, Appl
	55	15.8	60.8	430	3	US-09-105-542A-17	Sequence 17, Appl
c	56	15.8	60.8	471	4	US-09-621-976-15681	Sequence 15681, A
c	57	15.8	60.8	508	3	US-09-641-638-61	Sequence 61, Appl
c	58	15.8	60.8	508	3	US-09-641-638-62	Sequence 62, Appl
c	59	15.8	60.8	508	4	US-10-170-097-61	Sequence 61, Appl
c	60	15.8	60.8	508	4	US-10-170-097-62	Sequence 62, Appl
c	61	15.8	60.8	509	4	US-09-711-164-37	Sequence 37, Appl
	62	15.8	60.8	601	4	US-09-949-016-52542	Sequence 52542, A
	63	15.8	60.8	601	4	US-09-949-016-157195	Sequence 157195,
	64	15.6	60.0	135	1	US-08-299-498A-17	Sequence 17, Appl
	65	15.6	60.0	135	5	PCT-US95-10813-17	Sequence 17, Appl
c	66	15.6	60.0	207	4	US-09-248-796A-9222	Sequence 9222, Ap
	67	15.6	60.0	361	4	US-09-270-767-7873	Sequence 7873, Ap
	68	15.6	60.0	361	4	US-09-270-767-23155	Sequence 23155, A
	69	15.6	60.0	378	4	US-09-513-999C-8356	Sequence 8356, Ap
	70	15.6	60.0	383	4	US-09-270-767-27729	Sequence 27729, A
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c	72	15.6	60.0	601	4	US-09-949-016-49624	Sequence 49624, A
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c	87	15.6	60.0	975	4	US-09-963-137-135	Sequence 135, App
c	88	15.6	60.0	975	4	US-09-963-137-204	Sequence 204, App
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	117	15.4	59.2	601	4	US-09-949-016-71108	Sequence 71108, A
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	121	15.4	59.2	601	4	US-09-949-016-166032	Sequence 166032,
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	125	15.4	59.2	735	4	US-09-710-279-2779	Sequence 2779, Ap
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	128	15.4	59.2	780	4	US-09-328-352-1905	Sequence 1905, Ap
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	130	15.4	59.2	804	4	US-09-134-000C-2801	Sequence 2801, Ap
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	146	15.2	58.5	487	2	US-08-461-965-34	Sequence 34, Appl
	147	15.2	58.5	487	2	US-08-634-641-34	Sequence 34, Appl
	148	15.2	58.5	487	3	US-09-249-471-34	Sequence 34, Appl
	149	15.2	58.5	487	3	US-09-249-472-34	Sequence 34, Appl
	150	15.2	58.5	487	3	US-09-249-451-34	Sequence 34, Appl
	151	15.2	58.5	487	3	US-08-809-455-34	Sequence 34, Appl
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	168	15.2	58.5	601	4	US-09-949-016-84825	Sequence 84825, A
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	232	15	57.7	765	4	US-09-270-767-14032	Sequence 14032, A
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	236	14.8	56.9	402	4	US-09-621-976-14421	Sequence 14421, A
	237	14.8	56.9	433	4	US-10-101-464A-204	Sequence 204, App
	238	14.8	56.9	435	4	US-09-248-796A-11060	Sequence 11060, A
c	239	14.8	56.9	450	4	US-09-513-999C-13737	Sequence 13737, A
	240	14.8	56.9	483	4	US-09-513-999C-32457	Sequence 32457, A
c	241	14.8	56.9	504	4	US-09-543-681A-3958	Sequence 3958, Ap
	242	14.8	56.9	516	4	US-09-107-532A-3632	Sequence 3632, Ap
c	243	14.8	56.9	537	4	US-09-853-832-8	Sequence 8, Appli
c	244	14.8	56.9	537	4	US-09-453-976-8	Sequence 8, Appli
c	245	14.8	56.9	537	4	US-10-300-818-8	Sequence 8, Appli
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GenCore version 5.1.6

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Run on: April 16, 2005, 01:37:07 ; Search time 254.168 Seconds
(without alignments)
620.591 Million cell updates/sec

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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 5622541 seqs, 3033355566 residues

Total number of hits satisfying chosen parameters: 9857118

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Post-processing: Minimum Match 0%
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Listing first 1000 summaries

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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	2	18.8	72.3	765	18	US-10-767-795-4689	Sequence 4689, Ap
	3	18.8	72.3	914	13	US-10-027-632-325205	Sequence 325205,
	4	18.8	72.3	914	17	US-10-027-632-325205	Sequence 325205,
	5	18.6	71.5	507	17	US-10-424-599-106771	Sequence 106771,
	6	18.4	70.8	846	9	US-09-801-368-277	Sequence 277, App
	7	18.4	70.8	846	17	US-10-369-493-25289	Sequence 25289, A
c	8	18.2	70.0	544	18	US-10-021-323-16363	Sequence 16363, A
	9	18.2	70.0	590	18	US-10-021-323-14869	Sequence 14869, A
	10	18.2	70.0	617	9	US-09-974-300-1766	Sequence 1766, Ap
	11	18.2	70.0	814	18	US-10-767-795-5675	Sequence 5675, Ap
c	12	18	69.2	403	18	US-10-437-963-59536	Sequence 59536, A
	13	17.8	68.5	520	17	US-10-424-599-96448	Sequence 96448, A
c	14	17.6	67.7	202	18	US-10-425-115-172447	Sequence 172447,
c	15	17.6	67.7	344	18	US-10-767-795-5671	Sequence 5671, Ap
c	16	17.6	67.7	419	18	US-10-767-795-5670	Sequence 5670, Ap
	17	17.6	67.7	560	18	US-10-021-323-10639	Sequence 10639, A
	18	17.6	67.7	801	17	US-10-424-599-65572	Sequence 65572, A
	19	17.2	66.2	391	19	US-10-696-639-828	Sequence 828, App
c	20	17	65.4	106	17	US-10-424-599-18844	Sequence 18844, A
c	21	17	65.4	419	18	US-10-767-795-3258	Sequence 3258, Ap
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	25	17	65.4	761	17	US-10-260-238-3856	Sequence 3856, Ap
	26	17	65.4	807	17	US-10-260-238-3857	Sequence 3857, Ap
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c	28	17	65.4	855	18	US-10-363-345A-32478	Sequence 32478, A
	29	17	65.4	855	19	US-10-363-483A-32477	Sequence 32477, A
c	30	17	65.4	855	19	US-10-363-483A-32478	Sequence 32478, A
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	33	16.6	63.8	191	18	US-10-437-963-27426	Sequence 27426, A
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	37	16.6	63.8	552	13	US-10-027-632-322947	Sequence 322947,
	38	16.6	63.8	552	17	US-10-027-632-54340	Sequence 54340, A
	39	16.6	63.8	552	17	US-10-027-632-322947	Sequence 322947,
c	40	16.6	63.8	599	16	US-10-276-629-5	Sequence 5, Appli
c	41	16.6	63.8	635	13	US-10-027-632-255221	Sequence 255221,
c	42	16.6	63.8	635	17	US-10-027-632-255221	Sequence 255221,
c	43	16.6	63.8	642	18	US-10-767-701-779	Sequence 779, App
	44	16.6	63.8	682	13	US-10-027-632-113918	Sequence 113918,
	45	16.6	63.8	682	17	US-10-027-632-113918	Sequence 113918,
	46	16.6	63.8	804	17	US-10-243-552-234	Sequence 234, App
	47	16.6	63.8	818	18	US-10-425-115-37559	Sequence 37559, A
c	48	16.6	63.8	903	9	US-09-974-300-3129	Sequence 3129, Ap
c	49	16.4	63.1	58	15	US-10-123-101-7	Sequence 7, Appli
c	50	16.4	63.1	58	17	US-10-310-734-7	Sequence 7, Appli
	51	16.4	63.1	266	18	US-10-357-930-36058	Sequence 36058, A
	52	16.4	63.1	266	18	US-10-357-930-45119	Sequence 45119, A
c	53	16.4	63.1	273	17	US-10-062-674-1271	Sequence 1271, Ap
	54	16.4	63.1	361	18	US-10-674-124A-14231	Sequence 14231, A
	55	16.4	63.1	367	16	US-10-313-669-108	Sequence 108, App
	56	16.4	63.1	370	18	US-10-357-930-15234	Sequence 15234, A
c	57	16.4	63.1	373	16	US-10-313-669-107	Sequence 107, App
c	58	16.4	63.1	382	17	US-10-424-599-134809	Sequence 134809,
	59	16.4	63.1	417	18	US-10-425-115-159268	Sequence 159268,
c	60	16.4	63.1	421	9	US-09-770-423-356	Sequence 356, App
	61	16.4	63.1	440	9	US-09-783-590-11372	Sequence 11372, A
c	62	16.4	63.1	522	9	US-09-864-761-8243	Sequence 8243, Ap
	63	16.4	63.1	522	18	US-10-425-115-46494	Sequence 46494, A
	64	16.4	63.1	564	17	US-10-282-122A-33702	Sequence 33702, A
	65	16.4	63.1	593	18	US-10-363-345A-20547	Sequence 20547, A
c	66	16.4	63.1	593	18	US-10-363-345A-20548	Sequence 20548, A
	67	16.4	63.1	593	19	US-10-363-483A-20547	Sequence 20547, A
c	68	16.4	63.1	593	19	US-10-363-483A-20548	Sequence 20548, A
	69	16.4	63.1	594	18	US-10-363-345A-15005	Sequence 15005, A
c	70	16.4	63.1	594	18	US-10-363-345A-15006	Sequence 15006, A
	71	16.4	63.1	594	19	US-10-363-483A-15005	Sequence 15005, A
c	72	16.4	63.1	594	19	US-10-363-483A-15006	Sequence 15006, A
c	73	16.4	63.1	605	13	US-10-027-632-206986	Sequence 206986,
c	74	16.4	63.1	605	17	US-10-027-632-206986	Sequence 206986,
c	75	16.4	63.1	623	13	US-10-027-632-286865	Sequence 286865,
c	76	16.4	63.1	623	17	US-10-027-632-286865	Sequence 286865,
c	77	16.4	63.1	699	18	US-10-437-963-2938	Sequence 2938, Ap
	78	16.4	63.1	712	18	US-10-363-345A-26077	Sequence 26077, A
c	79	16.4	63.1	712	18	US-10-363-345A-26078	Sequence 26078, A
	80	16.4	63.1	712	19	US-10-363-483A-26077	Sequence 26077, A
c	81	16.4	63.1	712	19	US-10-363-483A-26078	Sequence 26078, A
c	82	16.4	63.1	756	18	US-10-425-115-116321	Sequence 116321,
c	83	16.4	63.1	788	18	US-10-767-701-4190	Sequence 4190, Ap
c	84	16.4	63.1	813	17	US-10-369-493-46844	Sequence 46844, A

	85	16.4	63.1	816	13	US-10-027-632-165003	Sequence 165003,
	86	16.4	63.1	816	13	US-10-027-632-165004	Sequence 165004,
	87	16.4	63.1	816	17	US-10-027-632-165003	Sequence 165003,
	88	16.4	63.1	816	17	US-10-027-632-165004	Sequence 165004,
c	89	16.4	63.1	874	13	US-10-027-632-172213	Sequence 172213,
c	90	16.4	63.1	874	13	US-10-027-632-172214	Sequence 172214,
c	91	16.4	63.1	874	17	US-10-027-632-172213	Sequence 172213,
c	92	16.4	63.1	874	17	US-10-027-632-172214	Sequence 172214,
c	93	16.4	63.1	975	9	US-09-974-300-2661	Sequence 2661, Ap
	94	16.2	62.3	25	19	US-10-719-900-241450	Sequence 241450,
c	95	16.2	62.3	192	9	US-09-734-417-14	Sequence 14, Appl
c	96	16.2	62.3	225	9	US-09-923-876-1744	Sequence 1744, Ap
c	97	16.2	62.3	225	10	US-09-923-876-1744	Sequence 1744, Ap
	98	16.2	62.3	266	16	US-10-259-678-230	Sequence 230, App
	99	16.2	62.3	272	18	US-10-425-115-154687	Sequence 154687,
c	100	16.2	62.3	273	18	US-10-425-115-158873	Sequence 158873,
c	101	16.2	62.3	298	17	US-10-424-599-64371	Sequence 64371, A
	102	16.2	62.3	350	10	US-09-814-353-6067	Sequence 6067, Ap
	103	16.2	62.3	350	10	US-09-814-353-12346	Sequence 12346, A
c	104	16.2	62.3	449	17	US-10-424-599-136280	Sequence 136280,
c	105	16.2	62.3	452	19	US-10-696-639-827	Sequence 827, App
	106	16.2	62.3	462	16	US-10-259-678-540	Sequence 540, App
c	107	16.2	62.3	467	18	US-10-425-115-75613	Sequence 75613, A
c	108	16.2	62.3	490	18	US-10-425-115-22323	Sequence 22323, A
c	109	16.2	62.3	498	10	US-09-991-936-332	Sequence 332, App
c	110	16.2	62.3	513	18	US-10-425-115-24282	Sequence 24282, A
	111	16.2	62.3	531	18	US-10-363-345A-12999	Sequence 12999, A
c	112	16.2	62.3	531	18	US-10-363-345A-13000	Sequence 13000, A
	113	16.2	62.3	531	19	US-10-363-483A-12999	Sequence 12999, A
c	114	16.2	62.3	531	19	US-10-363-483A-13000	Sequence 13000, A
	115	16.2	62.3	550	13	US-10-027-632-35033	Sequence 35033, A
	116	16.2	62.3	550	13	US-10-027-632-313419	Sequence 313419,
	117	16.2	62.3	550	17	US-10-027-632-35033	Sequence 35033, A
	118	16.2	62.3	550	17	US-10-027-632-313419	Sequence 313419,
	119	16.2	62.3	551	14	US-10-060-036-4204	Sequence 4204, Ap
	120	16.2	62.3	570	14	US-10-060-036-4459	Sequence 4459, Ap
c	121	16.2	62.3	588	10	US-09-871-161-408	Sequence 408, App
c	122	16.2	62.3	588	13	US-10-027-632-93523	Sequence 93523, A
c	123	16.2	62.3	588	13	US-10-027-632-318246	Sequence 318246,
c	124	16.2	62.3	588	17	US-10-027-632-93523	Sequence 93523, A
c	125	16.2	62.3	588	17	US-10-027-632-318246	Sequence 318246,
	126	16.2	62.3	597	18	US-10-357-930-55107	Sequence 55107, A
	127	16.2	62.3	598	18	US-10-437-963-26446	Sequence 26446, A
	128	16.2	62.3	609	18	US-10-437-963-75951	Sequence 75951, A
c	129	16.2	62.3	612	18	US-10-357-930-57859	Sequence 57859, A
	130	16.2	62.3	626	18	US-10-739-930-629	Sequence 629, App
	131	16.2	62.3	640	18	US-10-425-115-23177	Sequence 23177, A
c	132	16.2	62.3	657	17	US-10-398-221-2581	Sequence 2581, Ap
	133	16.2	62.3	687	10	US-09-861-925-3	Sequence 3, Appli
	134	16.2	62.3	687	16	US-10-233-032A-3	Sequence 3, Appli
c	135	16.2	62.3	702	13	US-10-027-632-168405	Sequence 168405,
c	136	16.2	62.3	702	17	US-10-027-632-168405	Sequence 168405,
	137	16.2	62.3	726	17	US-10-424-599-51164	Sequence 51164, A
c	138	16.2	62.3	777	13	US-10-027-632-170579	Sequence 170579,
c	139	16.2	62.3	777	13	US-10-027-632-170580	Sequence 170580,
c	140	16.2	62.3	777	17	US-10-027-632-170579	Sequence 170579,
c	141	16.2	62.3	777	17	US-10-027-632-170580	Sequence 170580,
c	142	16.2	62.3	801	13	US-10-027-632-170558	Sequence 170558,
c	143	16.2	62.3	801	13	US-10-027-632-170559	Sequence 170559,
c	144	16.2	62.3	801	17	US-10-027-632-170558	Sequence 170558,
c	145	16.2	62.3	801	17	US-10-027-632-170559	Sequence 170559,
	146	16.2	62.3	833	13	US-10-027-632-9010	Sequence 9010, Ap
	147	16.2	62.3	833	17	US-10-027-632-9010	Sequence 9010, Ap
	148	16.2	62.3	840	17	US-10-338-587A-6	Sequence 6, Appli
	149	16.2	62.3	888	17	US-10-369-493-24167	Sequence 24167, A
c	150	16.2	62.3	933	17	US-10-369-493-24003	Sequence 24003, A
c	151	16.2	62.3	987	16	US-10-148-687-2	Sequence 2, Appli
	152	16	61.5	69	9	US-09-974-300-4108	Sequence 4108, Ap
	153	16	61.5	199	18	US-10-425-115-160809	Sequence 160809,
c	154	16	61.5	201	18	US-10-719-993-8048	Sequence 8048, Ap
c	155	16	61.5	201	18	US-10-719-993-8061	Sequence 8061, Ap
	156	16	61.5	201	18	US-10-719-993-49001	Sequence 49001, A
	157	16	61.5	201	18	US-10-719-993-49055	Sequence 49055, A
c	158	16	61.5	364	18	US-10-767-701-19605	Sequence 19605, A
	159	16	61.5	383	10	US-09-803-719-387	Sequence 387, App
	160	16	61.5	384	18	US-10-425-115-44912	Sequence 44912, A
	161	16	61.5	389	17	US-10-424-599-112940	Sequence 112940,
	162	16	61.5	473	18	US-10-324-967-60	Sequence 60, Appl
c	163	16	61.5	499	18	US-10-021-323-11868	Sequence 11868, A
c	164	16	61.5	516	13	US-10-027-632-285010	Sequence 285010,
c	165	16	61.5	516	17	US-10-027-632-285010	Sequence 285010,
	166	16	61.5	520	13	US-10-027-632-209427	Sequence 209427,
	167	16	61.5	520	17	US-10-027-632-209427	Sequence 209427,
c	168	16	61.5	551	9	US-09-764-869-528	Sequence 528, App
c	169	16	61.5	551	14	US-10-091-504-528	Sequence 528, App
c	170	16	61.5	551	17	US-10-227-577-528	Sequence 528, App
	171	16	61.5	552	16	US-10-029-386-2677	Sequence 2677, Ap
	172	16	61.5	588	18	US-10-363-345A-10047	Sequence 10047, A
c	173	16	61.5	588	18	US-10-363-345A-10048	Sequence 10048, A
	174	16	61.5	588	19	US-10-363-483A-10047	Sequence 10047, A
c	175	16	61.5	588	19	US-10-363-483A-10048	Sequence 10048, A
	176	16	61.5	599	18	US-10-021-323-11823	Sequence 11823, A
	177	16	61.5	600	18	US-10-425-115-80287	Sequence 80287, A
c	178	16	61.5	622	10	US-09-871-161-151	Sequence 151, App
	179	16	61.5	643	18	US-10-437-963-66754	Sequence 66754, A
	180	16	61.5	668	18	US-10-363-345A-18699	Sequence 18699, A
c	181	16	61.5	668	18	US-10-363-345A-18700	Sequence 18700, A
	182	16	61.5	668	19	US-10-363-483A-18699	Sequence 18699, A
c	183	16	61.5	668	19	US-10-363-483A-18700	Sequence 18700, A
c	184	16	61.5	708	10	US-09-764-891-383	Sequence 383, App
	185	16	61.5	712	18	US-10-425-115-75119	Sequence 75119, A
c	186	16	61.5	755	13	US-10-027-632-132437	Sequence 132437,
c	187	16	61.5	755	13	US-10-027-632-132438	Sequence 132438,
c	188	16	61.5	755	17	US-10-027-632-132437	Sequence 132437,
c	189	16	61.5	755	17	US-10-027-632-132438	Sequence 132438,
c	190	16	61.5	758	17	US-10-425-114-13530	Sequence 13530, A
	191	16	61.5	774	18	US-10-363-345A-5959	Sequence 5959, Ap
c	192	16	61.5	774	18	US-10-363-345A-5960	Sequence 5960, Ap
	193	16	61.5	774	19	US-10-363-483A-5959	Sequence 5959, Ap
c	194	16	61.5	774	19	US-10-363-483A-5960	Sequence 5960, Ap
	195	16	61.5	782	13	US-10-027-632-145466	Sequence 145466,
	196	16	61.5	782	17	US-10-027-632-145466	Sequence 145466,
	197	16	61.5	807	18	US-10-739-930-4412	Sequence 4412, Ap
	198	16	61.5	849	18	US-10-425-115-61375	Sequence 61375, A
c	199	16	61.5	912	18	US-10-437-963-74135	Sequence 74135, A
c	200	16	61.5	915	17	US-10-425-114-5852	Sequence 5852, Ap
	201	16	61.5	981	18	US-10-767-795-1989	Sequence 1989, Ap
c	202	15.8	60.8	25	19	US-10-719-900-405905	Sequence 405905,
c	203	15.8	60.8	158	18	US-10-425-115-146600	Sequence 146600,
	204	15.8	60.8	183	9	US-09-864-761-23616	Sequence 23616, A
	205	15.8	60.8	191	16	US-10-259-678-359	Sequence 359, App
c	206	15.8	60.8	201	18	US-10-741-601-23826	Sequence 23826, A
c	207	15.8	60.8	201	19	US-10-741-600-64527	Sequence 64527, A
c	208	15.8	60.8	261	13	US-10-040-739-1368	Sequence 1368, Ap
	209	15.8	60.8	284	16	US-10-259-678-208	Sequence 208, App
c	210	15.8	60.8	321	18	US-10-437-963-56809	Sequence 56809, A
	211	15.8	60.8	379	18	US-10-357-930-13394	Sequence 13394, A
c	212	15.8	60.8	396	18	US-10-425-115-75116	Sequence 75116, A
c	213	15.8	60.8	410	17	US-10-424-599-13266	Sequence 13266, A
c	214	15.8	60.8	413	16	US-10-287-274-36	Sequence 36, Appl
c	215	15.8	60.8	413	17	US-10-282-122A-1171	Sequence 1171, Ap
	216	15.8	60.8	417	18	US-10-357-930-34539	Sequence 34539, A
	217	15.8	60.8	417	18	US-10-357-930-43398	Sequence 43398, A
c	218	15.8	60.8	425	18	US-10-425-115-29061	Sequence 29061, A
	219	15.8	60.8	430	9	US-09-951-107-17	Sequence 17, Appl
	220	15.8	60.8	434	18	US-10-357-930-4225	Sequence 4225, Ap
	221	15.8	60.8	445	10	US-09-918-995-29044	Sequence 29044, A
c	222	15.8	60.8	470	9	US-09-864-761-3999	Sequence 3999, Ap
	223	15.8	60.8	480	9	US-09-864-761-1220	Sequence 1220, Ap
c	224	15.8	60.8	508	17	US-10-170-097-61	Sequence 61, Appl
c	225	15.8	60.8	508	17	US-10-170-097-62	Sequence 62, Appl
c	226	15.8	60.8	508	19	US-10-926-684-61	Sequence 61, Appl
c	227	15.8	60.8	508	19	US-10-926-684-62	Sequence 62, Appl
c	228	15.8	60.8	509	16	US-10-287-274-37	Sequence 37, Appl
c	229	15.8	60.8	509	17	US-10-282-122A-1260	Sequence 1260, Ap
c	230	15.8	60.8	511	17	US-10-424-599-36416	Sequence 36416, A